# HCD-GNV99D/ GNV111D

# SERVICE MANUAL

Self Diagnostics Supported model

**Ver.1.1 2005.05**

*E Model*
*HCD-GNV99D/GNV111D*
*Australian Model*
*HCD-GNV111D*

Photo : HCD-GNV111D

- HCD-GNV99D/GNV111D are the Amplifier, DVD player, tape deck and tuner section in MHC-GNV99D/GNV111D.

| | | |
|---|---|---|
| DVD Section | Model Name Using Similar Mechanism | NEW |
| | DVD Mechanism Type | CDM74H-DVBU101 |
| | Optical Pick-up Name | KHM-310CAB/C2NP |
| TAPE Section | Model Name Using Similar Mechanism | NEW |
| | Tape Transport Mechanism Type | CMAT2E2 |

## SPECIFICATIONS

**Amplifier section**

HCD-GNV111D
The following are measured at AC 120, 127, 220, 240V 50/60 Hz
DIN power output (rated)
Front speaker: 110 W + 110 W (6 ohms at 1 kHz, DIN)
Center speaker: 50 W (16 ohms at 1 kHz, DIN)
Surround speaker: 110 W + 110 W (6 ohms at 1 kHz, DIN)
Continuous RMS power output (reference)
Front speaker: 160 W + 160 W (6 ohms at 1 kHz, 10% THD)
Center speaker: 80 W (16 ohms at 1 kHz, 10% THD)
Surround speaker: 160 W + 160 W (6 ohms at 1 kHz, 10% THD)

HCD-GNV99D
The following are measured at AC 120, 127, 220, 240V 50/60 Hz
DIN power output (rated)
Front speaker: 130 W + 130 W (6 ohms at 1 kHz, DIN)
Center speaker: 30 W (8 ohms at 1 kHz, DIN)
Surround speaker: 30 W + 30 W (8 ohms at 1 kHz, DIN)
Continuous RMS power output (reference)
Front speaker: 180 W + 180 W (6 ohms at 1 kHz, 10% THD)
Center speaker: 50 W (8 ohms at 1 kHz, 10% THD)
Surround speaker: 50 W + 50 W (8 ohms at 1 kHz, 10% THD)

Inputs
VIDEO INPUT (phono jacks): VIDEO: 1 Vp-p, 75 ohms
AUDIO L/R: Voltage 250 mV, impedance 47 kilohms
TV/SAT AUDIO IN L/R (phono jacks): voltage 250 mV/450 mV, impedance 47 kilohms
MIC 1/2 (phone jack): sensitivity 1 mV, impedance 10 kilohms

Outputs
AUDIO OUT (phono jacks): Voltage 250 mV, impedance 1 kilohm
VIDEO OUT (phono jack): max. output level 1 Vp-p, unbalanced, Sync. negative load impedance 75 ohms
COMPONENT VIDEO OUT: Y: 1 Vp-p, 75 ohms
$P_B/C_B$: 0.7 Vp-p, 75 ohms
$P_R/C_R$: 0.7 Vp-p, 75 ohms
S VIDEO OUT (4-pin/mini-DIN jack): Y: 1 Vp-p, unbalanced, Sync. negative
C: 0.286 Vp-p load impedance 75 ohms
PHONES (stereo mini jack): accepts headphones of 8 ohms or more
FRONT SPEAKER: Use only the supplied speakers
SURR SPEAKER: Use only the supplied speakers
CENTER SPEAKER: Use only the supplied speaker
SUBWOOFER OUT (phono jack): Voltage 250 mV, impedance 1 kilohm

– Continued on next page –

## MiNi Hi-Fi COMPONENT SYSTEM

**9-879-585-02**
2005E02-1
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**Sony Corporation**
**Audio Group**
**Published by Sony Engineering Corporation**

SONY

### Disc player section

| | |
|---|---|
| System | Compact disc and digital audio and video system |
| Laser | Semiconductor laser<br>(DVD: λ = 650 nm, CD: λ = 790 nm)<br>Emission duration: continuous |
| Frequency response | DVD (PCM 48 kHz):<br>2 Hz – 22 kHz (±1dB)<br>CD: 2 Hz – 20 kHz (±0.5 dB) |
| Video color system format | NTSC and PAL |

### Tape deck section

| | |
|---|---|
| Recording system | 4-track 2-channel stereo |
| Frequency response | 50 – 13,000 Hz (±3 dB), using Sony TYPE I tape |

### Tuner section

FM stereo, FM/AM superheterodyne tuner

FM tuner section

| | |
|---|---|
| Tuning range | 87.5 – 108.0 MHz (50 kHz step) |
| Antenna | FM lead antenna |
| Antenna terminals | 75 ohms unbalanced |
| Intermediate frequency | 10.7 MHz |

AM tuner section

| | |
|---|---|
| Tuning range | |
| Saudi Arabian model: | 531– 1,602 kHz<br>(with the interval set at 9 kHz) |
| Other models: | 531 – 1,602 kHz<br>(with the interval set at 9 kHz)<br>530 – 1,710 kHz<br>(with the interval set at 10 kHz) |
| Antenna | AM loop antenna |
| Antenna terminals | External antenna terminal |
| Intermediate frequency | 450 kHz |

### General

| | |
|---|---|
| Power requirements | |
| Australian model: | 230 – 240 V AC, 50/60 Hz |
| Mexican model: | 127 V AC, 60Hz |
| Saudi Arabian model: | 120 – 127 V, 220 V or<br>230 – 240 V AC, 50/60 Hz<br>Adjustable with voltage selector |
| Other models: | 120 V, 220 V or<br>230 – 240 V AC, 50/60 Hz<br>Adjustable with voltage selector |
| Power consumption | |
| MHC-GNV111D | 380 W |
| MHC-GNV99D | 285 W |

Dimensions (w/h/d) (Approx.)

| | |
|---|---|
| HCD-GNV111D | 280 × 371 × 398.5 mm |
| HCD-GNV99D | 280 × 360 × 398.5 mm |

Mass (Approx.)

| | |
|---|---|
| HCD-GNV111D | 16.1 kg |
| HCD-GNV99D | 15.2 kg |

Design and specifications are subject to change without notice.

### Notes on chip component replacement

- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

### Flexible Circuit Board Repairing

- Keep the temperature of soldering iron around 270°C during repairing.
- Do not touch the soldering iron on the same conductor of the circuit board (within 3 times).
- Be careful not to apply force on the conductor when soldering or unsoldering.

**CAUTION**

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

This appliance is classified as a CLASS 1 LASER product. This label is located on the rear exterior.

**SAFETY-RELATED COMPONENT WARNING!!**

**COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.**

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# SECTION 1
# SERVICING NOTES

**NOTES ON HANDLING THE OPTICAL PICK-UP BLOCK OR BASE UNIT**

The laser diode in the optical pick-up block may suffer electrostatic break-down because of the potential difference generated by the charged electrostatic load, etc. on clothing and the human body.
During repair, pay attention to electrostatic break-down and also use the procedure in the printed matter which is included in the repair parts.
The flexible board is easily damaged and should be handled with care.

**NOTES ON LASER DIODE EMISSION CHECK**

The laser beam on this model is concentrated so as to be focused on the disc reflective surface by the objective lens in the optical pick-up block. Therefore, when checking the laser diode emission, observe from more than 30 cm away from the objective lens.

**LASER DIODE AND FOCUS SEARCH OPERATION CHECK**

Carry out the "S curve check" in "CD section adjustment" and check that the S curve waveform is output several times.

**NOTE ON REPLACEMENT OF DMB10 BOARD**

New part of EEPROM (IC103) on the DMB10 board can not be used. Therefore, if the mounted DMB10 board (A-1099-272-A or A-1099-344-A or A-1115-347-A) is replaced, exchange new EEPROM with that used before the replacement.

**UNLEADED SOLDER**

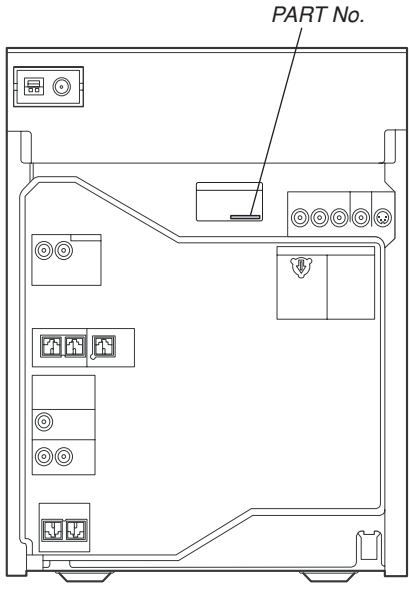
Boards requiring use of unleaded solder are printed with the lead-free mark (LF) indicating the solder contains no lead.
(Caution: Some printed circuit boards may not come printed with the lead free mark due to their particular size)

**: LEAD FREE MARK**

Unleaded solder has the following characteristics.

- Unleaded solder melts at a temperature about 40 °C higher than ordinary solder.
  Ordinary soldering irons can be used but the iron tip has to be applied to the solder joint for a slightly longer time.
  Soldering irons using a temperature regulator should be set to about 350 °C.
  Caution: The printed pattern (copper foil) may peel away if the heated tip is applied for too long, so be careful!
- Strong viscosity
  Unleaded solder is more viscou-s (sticky, less prone to flow) than ordinary solder so use caution not to let solder bridges occur such as on IC pins, etc.
- Usable with ordinary solder
  It is best to use only unleaded solder but unleaded solder may also be added to ordinary solder.

**• MODEL IDENTIFICATION**
**– Back Panel –**




| MODEL | PART No. |
|---|---|
| GNV99D : E3, E15 models | 2-584-723-0□ |
| GNV111D : E2 model | 2-584-724-0□ |
| GNV99D : EA model | 2-596-940-0□ |
| GNV99D : PH model | 2-596-941-0□ |
| GNV111D : MY, SP models | 2-596-943-0□ |
| GNV111D : EA model | 2-596-944-0□ |
| GNV111D : E3, E15 models | 2-596-945-0□ |
| GNV111D : AUS model | 2-596-946-0□ |
| GNV111D : PH model | 2-596-947-0□ |

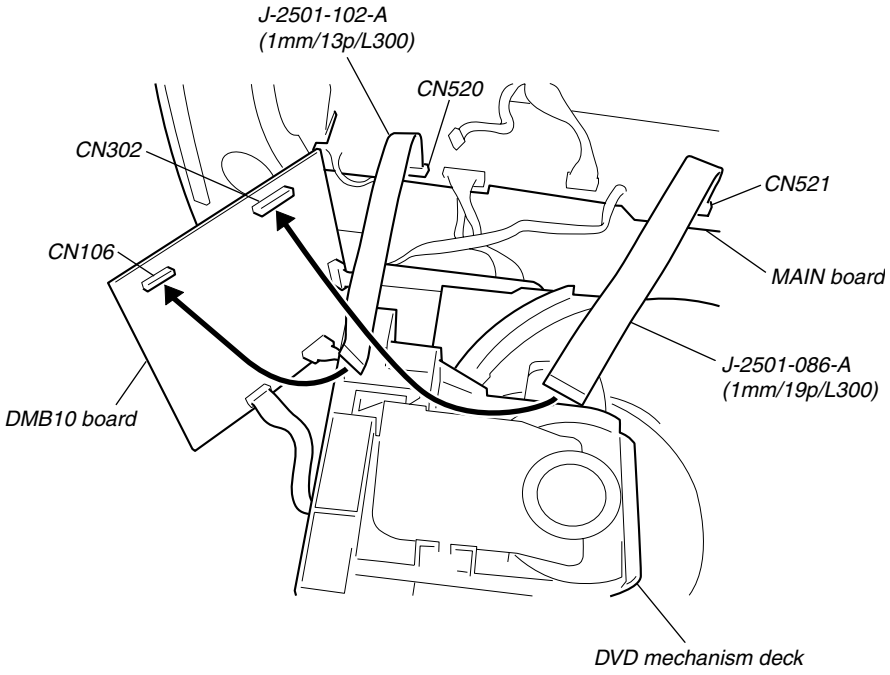
## Self-diagnosis Function

**(When letters/numbers appear in the display)**

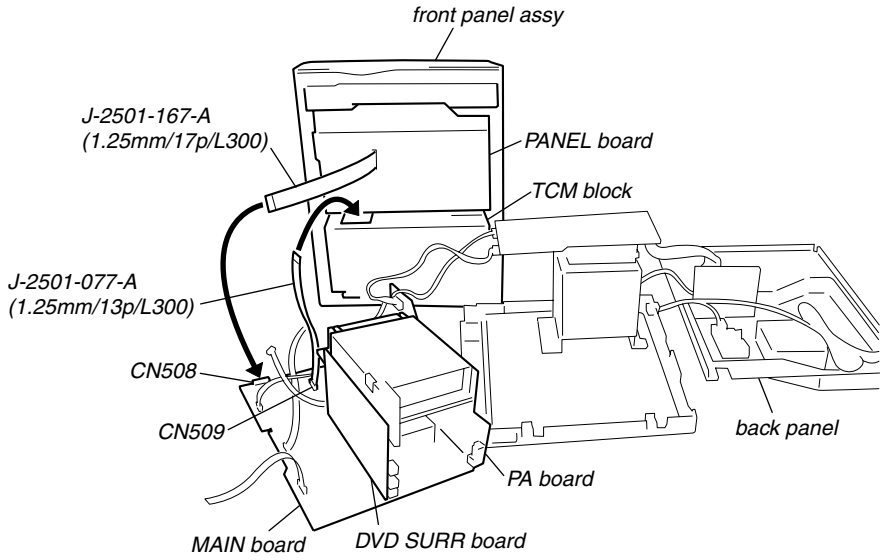
When the self-diagnosis function is activated to prevent the system from malfunctioning, a 5-character service number (e.g., C 13 50) with a combination of a letter and 4 digits appears in the on-screen display and the front panel display. In this case, check the following table.

| First 3 characters of the service number | Cause and/or corrective action |
|---|---|
| C 13 | The disc is dirty.<br>• Clean the disc with a soft cloth (page xx). |
| C 31 | The disc is not inserted correctly.<br>• Restart the system, then re-insert the disc correctly. |
| E XX<br>(xx is a number) | To prevent a malfunction, the system has performed the self-diagnosis function.<br>• Contact your nearest Sony dealer or local authorized Sony service facility and give the 5-character service number.<br>Example: E 61 10 |

**• Service Position-1 (DMB10 Board)**




**• Service Position-2 (PA and DVD SURR Boards)**



# SECTION 2
# GENERAL

This section is extracted from instruction manual.

**LOCATING THE CONTROLS**

## List of button locations and reference pages

How to use page 106 to 108

Use this page to find the location of buttons and other parts of the unit and remote that are mentioned in the text.

Illustration number ↓

TAPE A/B 38 (63–65, 75, 78, 79)

↑ Name of button/part ↑ Reference page

### Unit

**ALPHABETICAL ORDER**

A – D

AMP MENU 34
AUTO/MANUAL* 2
CD SYNC 13
Deck A 32
Deck B 22
DIRECTION 18
DISC 1 ~ 3 7
Disc tray 9
DISPLAY 44
Display 45
DVD 40

E – L

ECHO LEVEL 24
ENTER 21
EQ BAND 11
EX-CHANGE/DISC SKIP 6
GROOVE 37
ILLUMINATION 43
IR Receptor 41

M – R

MASTER VOLUME 8
MIC 1 (jack) 27
MIC 2 (jack) 26
MIC LEVEL 25
OPERATION DIAL 30
PHONES (jack) 29
Power illuminator 23
PRESET +/– 17
PROGRESSIVE 10
REC PAUSE/START 16

S – Z

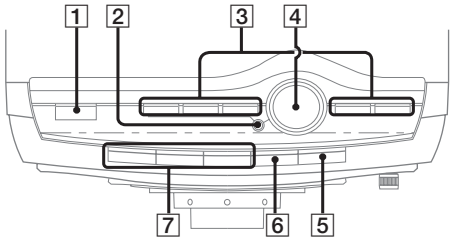
SOUND FIELD 46
SOUND FLASH 31
SPEAKERS* 1
TAPE A/B 38
Tape lid 22 32
TUNER/BAND 39
TUNING +/– 19
TV/SAT 36
VIDEO INPUT (jacks) 28
VIDEO 35
X-ROUND buttons* 3
WAVE/FADER/BALANCE/
RANDOM/TWISTER
X-ROUND JOG* 4
X-ROUND OFF* 1

**SYMBOLS**

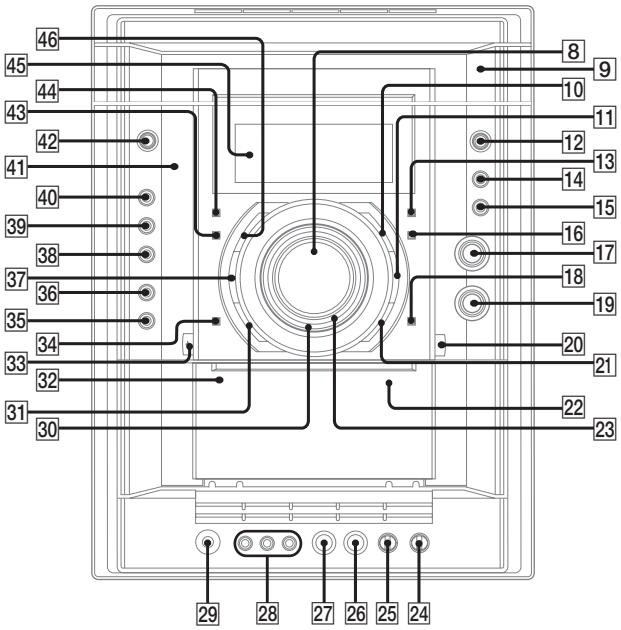
I/⏻ (power) 42
⏏ OPEN/CLOSE 5
◄► (play) 12
I◄◄ ►►I (go backward/forward) 17
◄◄ ►► (rewind/fast forward) 19
◄▮ SLOW ▮► 19
▮▮ (pause) 14
■ (stop) 15
⏏ A (Eject A) 33
B ⏏ (Eject B) 20

* MHC-GNV111D only

### Top Panel




### Front Panel



This section is extracted from instruction manual.

## Remote control

**ALPHABETICAL ORDER**

**A – L**

ADVANCE ●➔ 23
ALBUM +/– 11
ANGLE 10
AUDIO 8
CLEAR 27
DISC SKIP 3
DISPLAY 32
ENTER 25
FM MODE 7
FUNCTION +/– 4
KARAOKE MODE 30
KARAOKE PON 29
KEY CONTROL ♯/♭ 31

**M – S**

MENU 12
Numeric Buttons[1)2)] 28
PICTURE NAVI 6
PRESET + 15
PRESET – 22
REPEAT 7
REPLAY ➔● 23
SLEEP 34
SLOW ▮► 16
SLOW ◄▮ 21
SOUND FIELD 5
STEP ▮▮► 23
SUBTITLE 9

**T – Z**

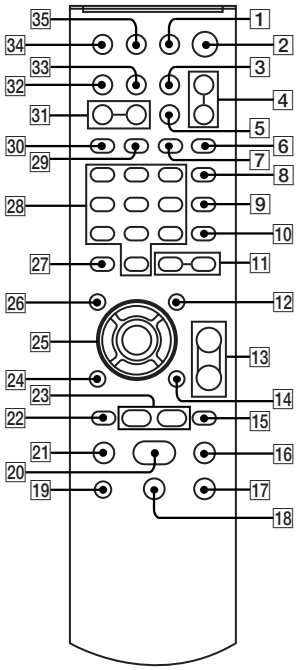
THEATRE SYNC 1
TIMER MENU 35
TIME/TEXT 33
TOP MENU 26
TUNING + 16
TUNING – 21
TV[2)] 19
TV CH +[2)] 15
TV CH –[2)] 22
TV/VIDEO[2)] 34
TV VOL +/–[1)2)] 13
TV I/⏻[2)] 2
VOLUME +/–[1)] 13

**NUMBERS AND SYMBOLS**

I/⏻ (power) 2
■ (stop) 17
▮▮ (pause) 18
▷[1)] (play) 20
▶▶I (go forward) 15
I◀◀ (go backward) 22
▶▶ (fast forward) 16
◀◀ (rewind) 21
↑/↓/←/→ 25
10/0[2)] 28
-/--[2)] 27
RETURN 24
DISPLAY 14
◀▮▮ STEP 23

[1)] The numeric button 5, TV VOL +, VOLUME + and ▷ buttons have a tactile dot. Use the tactile dot as a reference when operating the system.

[2)] This button is used to operate a Sony TV. For details, see "Operating a Sony TV" on page 12.




## Setting the clock

**1 Press I/⏻ to turn on the system.**

**2 Press TIMER MENU.**

The hour indication flashes in the display.

**3 Press ↑ or ↓ repeatedly to set the hour.**

**4 Press ENTER.**

The minute indication flashes in the display.

**5 Press ↑ or ↓ repeatedly to set the minute.**

**6 Press ENTER.**

The clock starts functioning.

### To adjust the clock

1 Press TIMER MENU.

"PLAY SET?" flashes in the display.

2 Press ↑ or ↓ repeatedly to select "CLOCK SET?", then press ENTER.

The hour indication flashes in the display.

3 Do the same procedures as step 3 to 6 above.

**Notes**

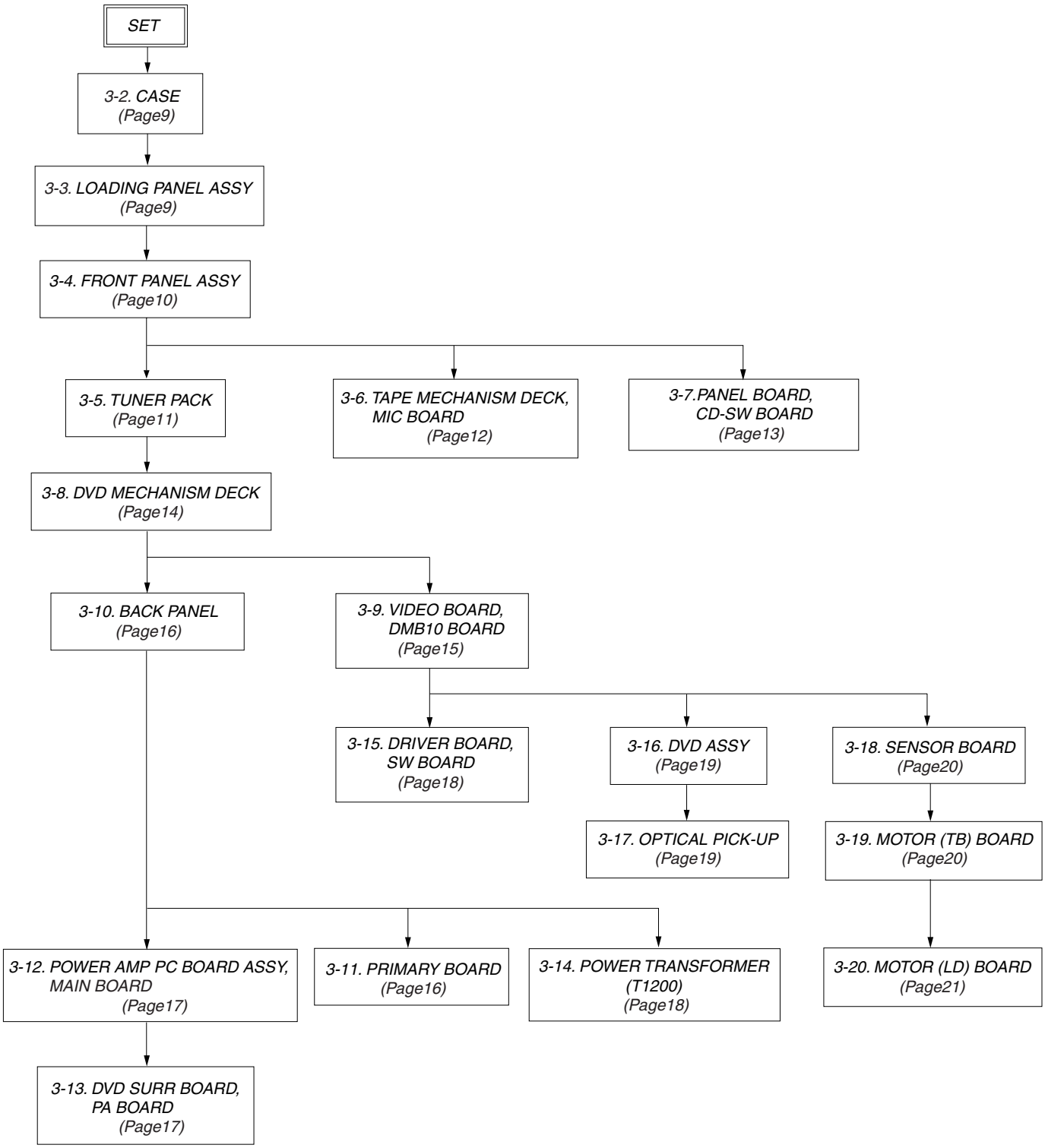
The clock settings are canceled when you disconnect the power cord or if a power failure occurs.

You cannot set the clock in power saving mode .

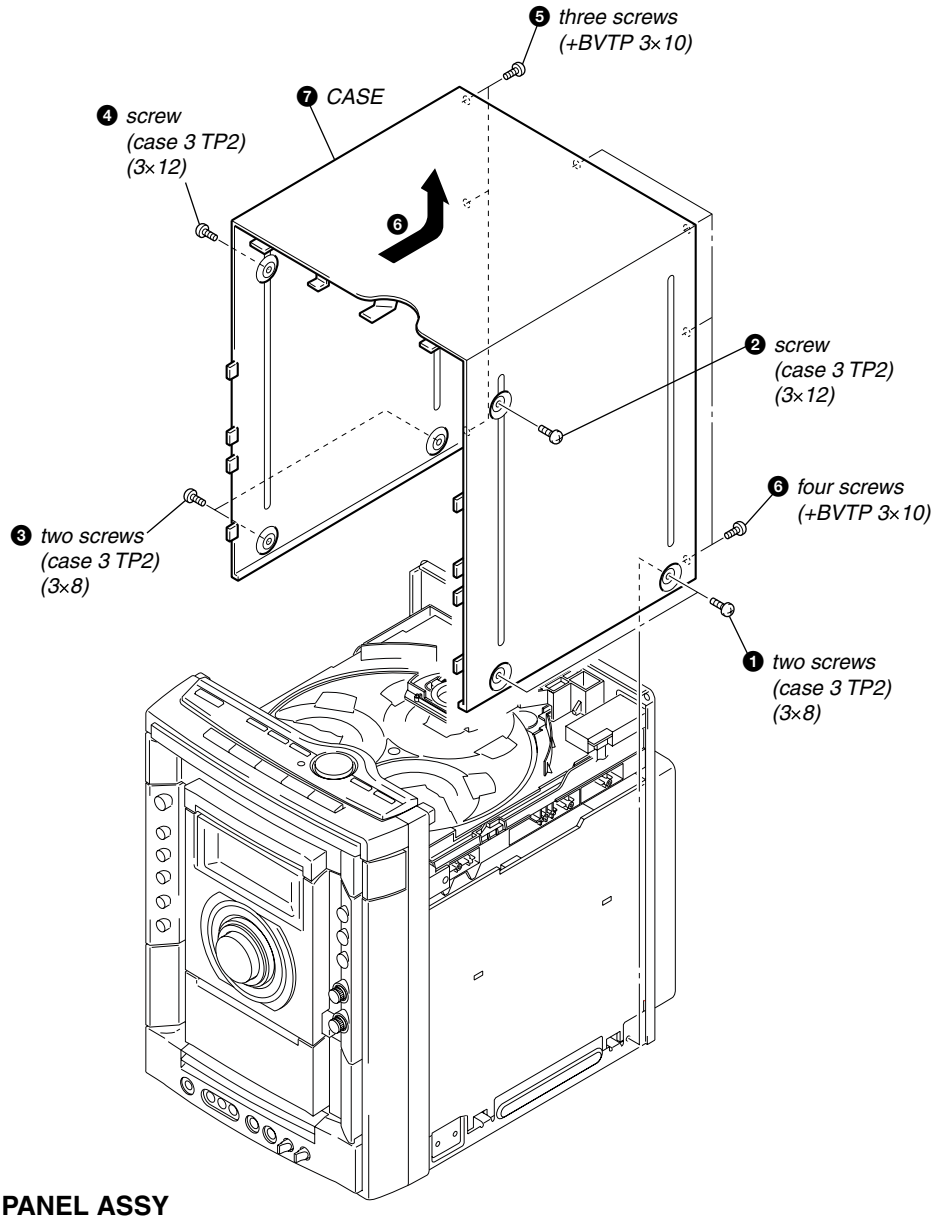
# SECTION 3
# DISASSEMBLY

**Note:**
- The illustration depicts HCD-GNV111D.
- This set can be disassembled in the order shown below.

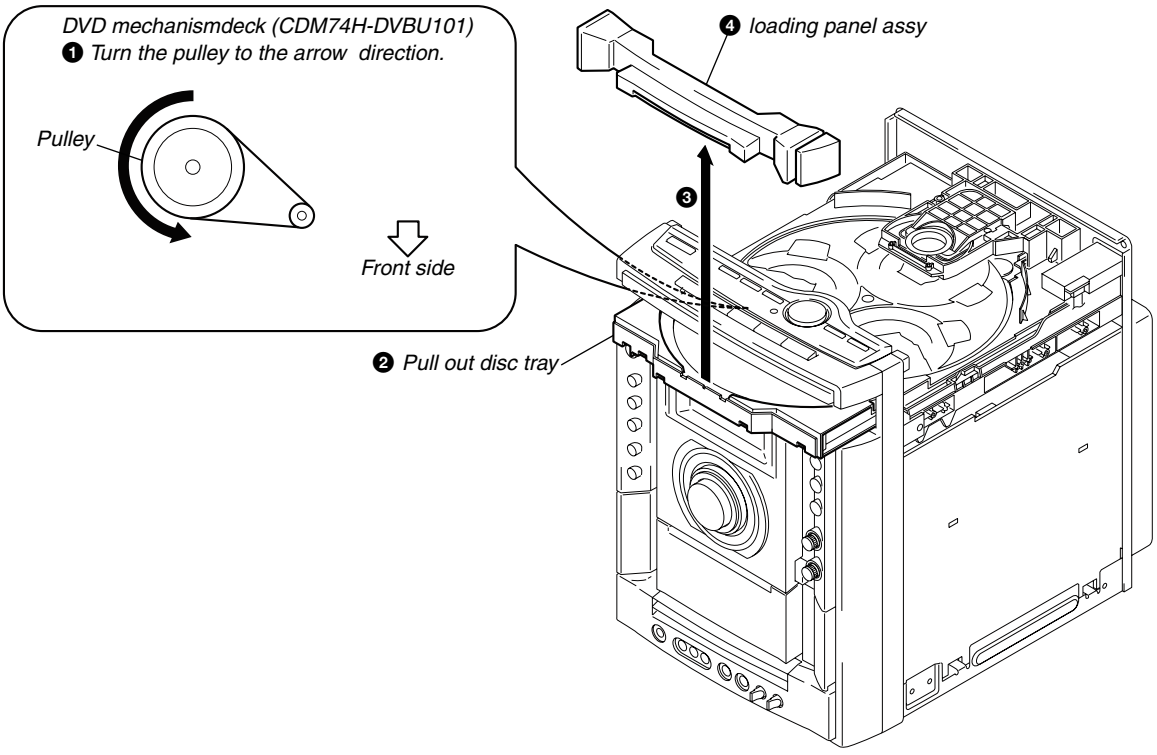
## 3-1. DISASSEMBLY FLOW


SET
3-2. CASE (Page9)
3-3. LOADING PANEL ASSY (Page9)
3-4. FRONT PANEL ASSY (Page10)
3-5. TUNER PACK (Page11)
3-6. TAPE MECHANISM DECK, MIC BOARD (Page12)
3-7.PANEL BOARD, CD-SW BOARD (Page13)
3-8. DVD MECHANISM DECK (Page14)
3-10. BACK PANEL (Page16)
3-9. VIDEO BOARD, DMB10 BOARD (Page15)
3-15. DRIVER BOARD, SW BOARD (Page18)
3-16. DVD ASSY (Page19)
3-18. SENSOR BOARD (Page20)
3-17. OPTICAL PICK-UP (Page19)
3-19. MOTOR (TB) BOARD (Page20)
3-12. POWER AMP PC BOARD ASSY, MAIN BOARD (Page17)
3-11. PRIMARY BOARD (Page16)
3-14. POWER TRANSFORMER (T1200) (Page18)
3-20. MOTOR (LD) BOARD (Page21)
3-13. DVD SURR BOARD, PA BOARD (Page17)

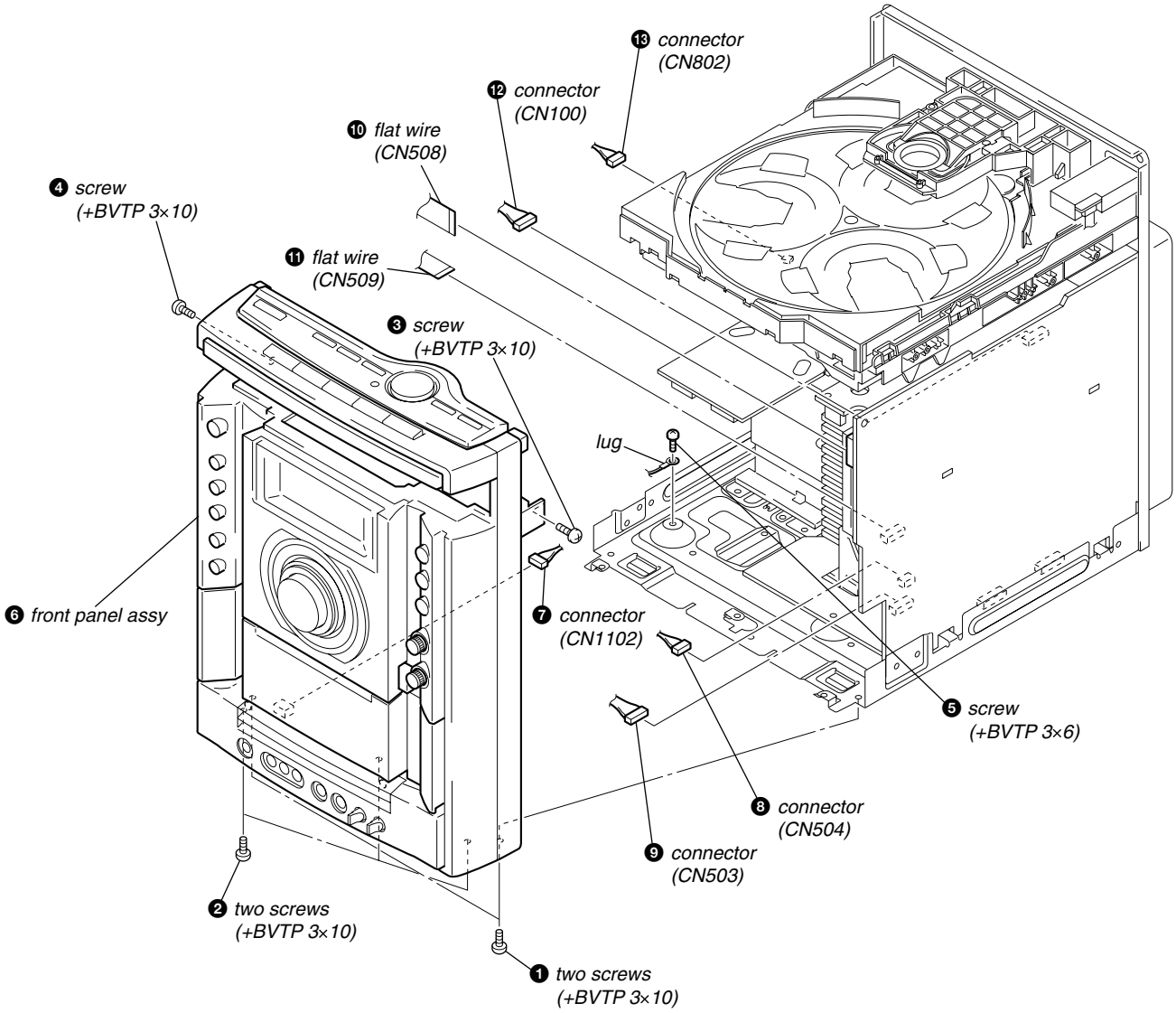
### 3-2. CASE



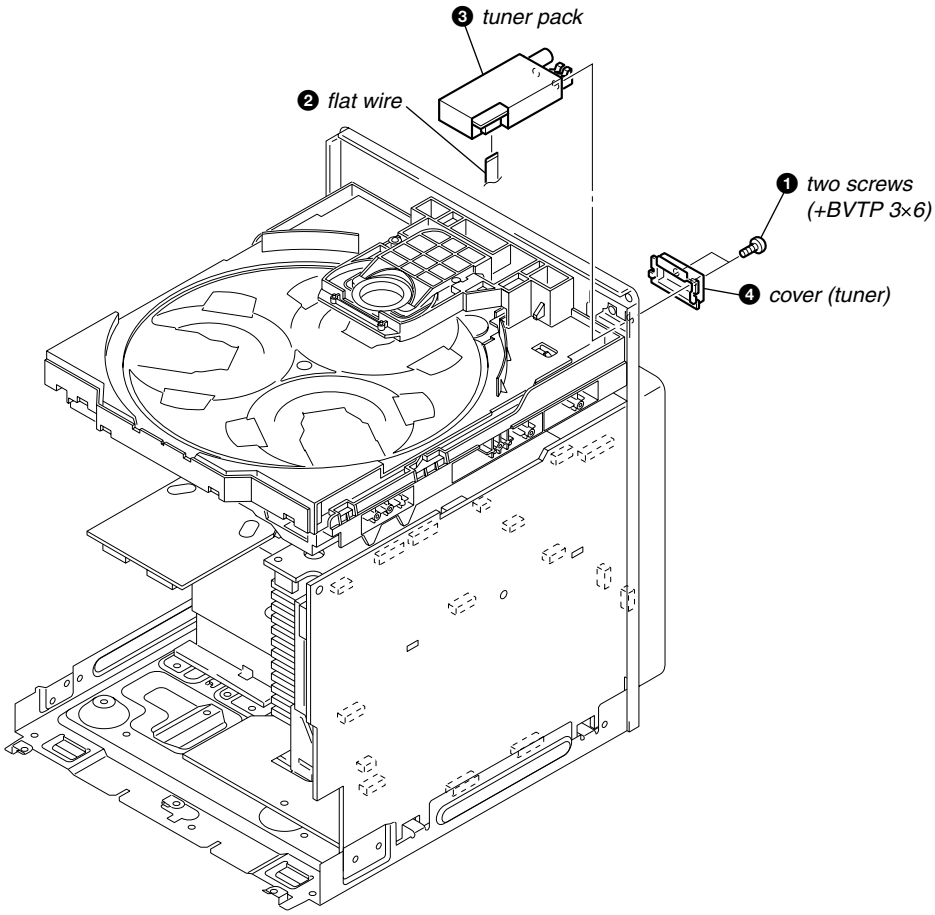

### 3-3. LOADING PANEL ASSY



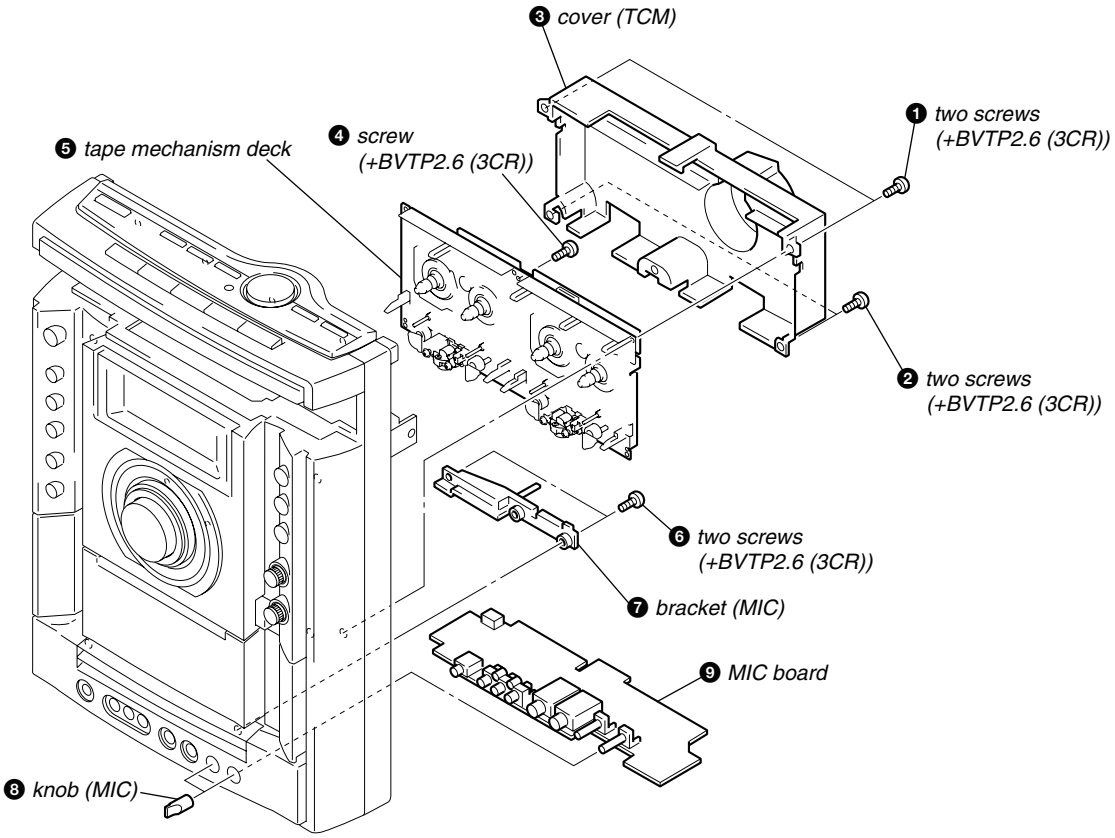
### 3-4. FRONT PANEL ASSY



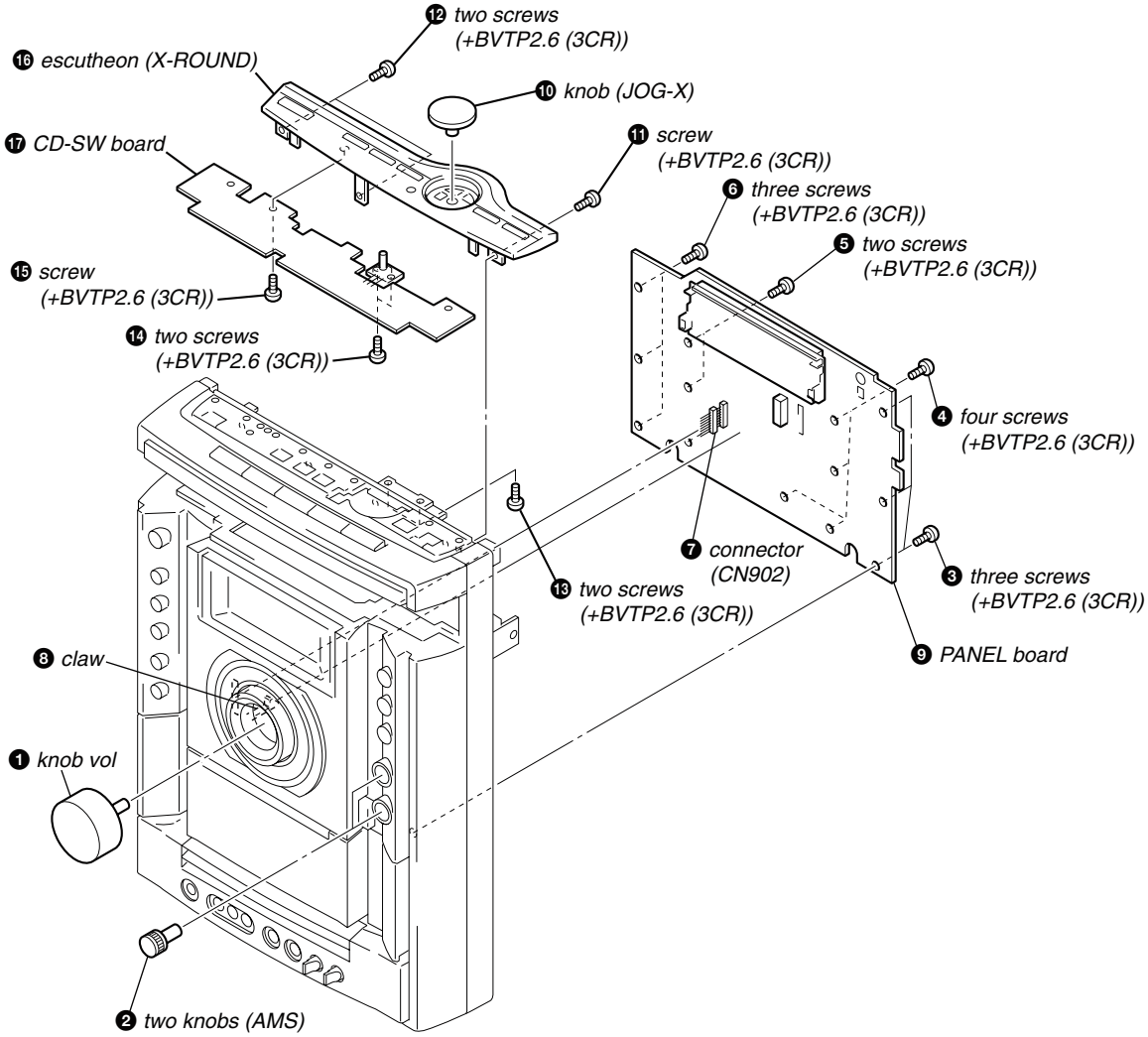
### 3-5. TUNER PACK



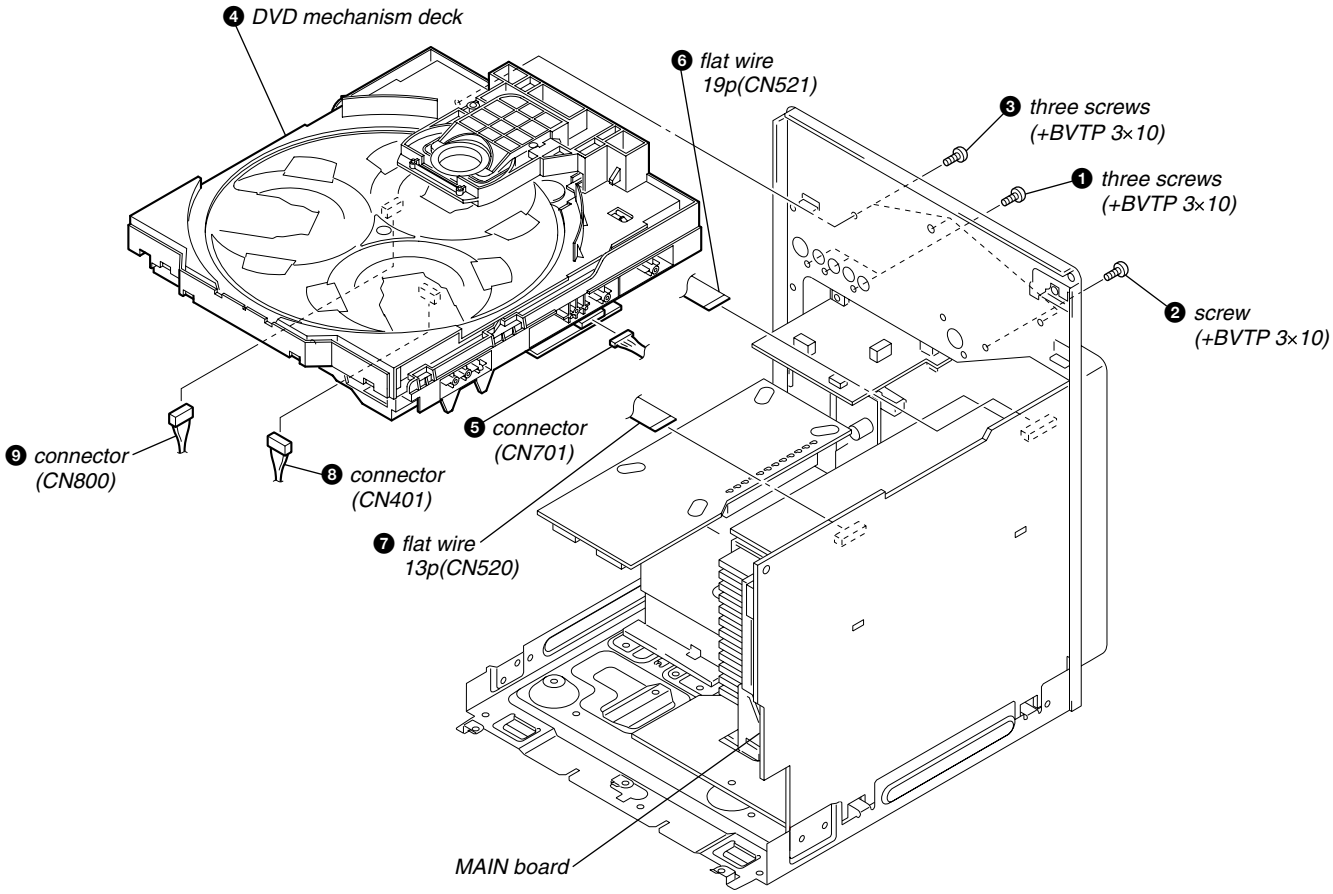
### 3-6. TAPE MECHANISM DECK, MIC BOARD



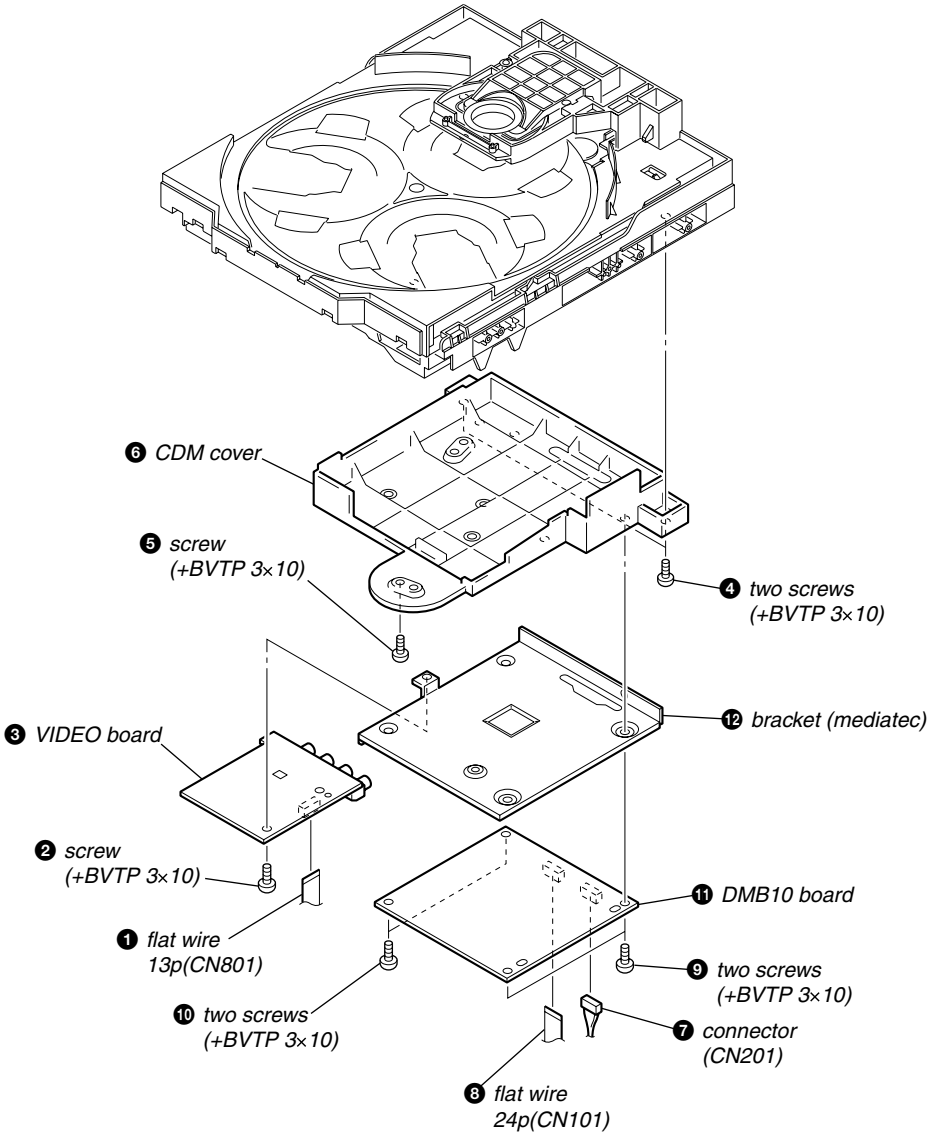
### 3-7. PANEL BOARD, CD-SW BOARD



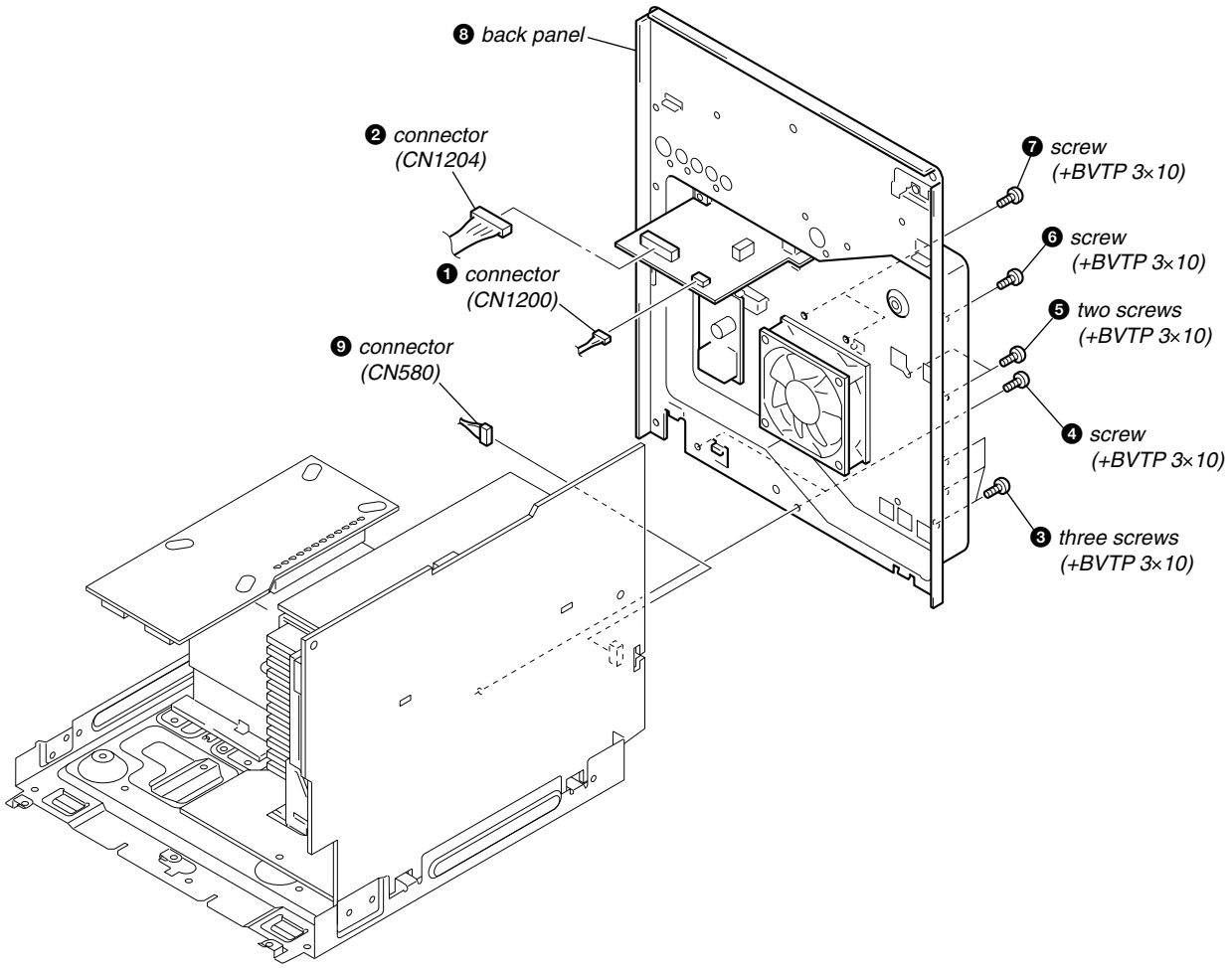
### 3-8. DVD MECHANISM DECK



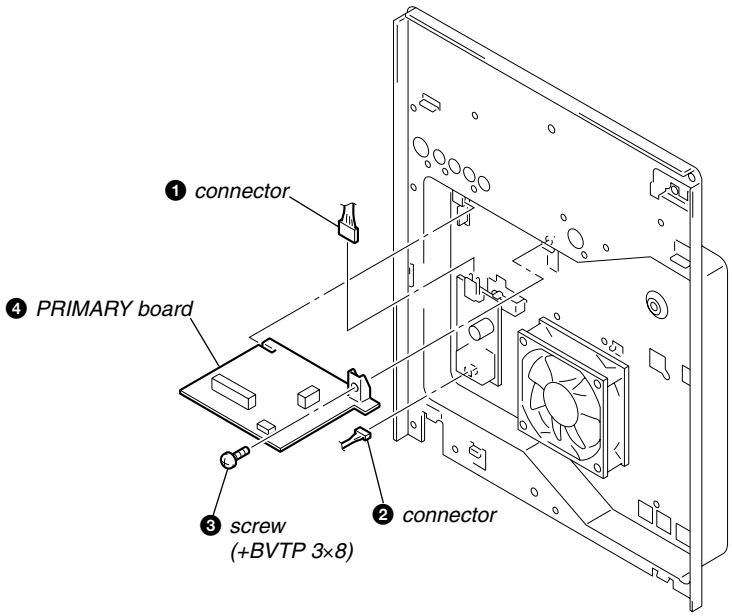
### 3-9. VIDEO BOARD, DMB10 BOARD



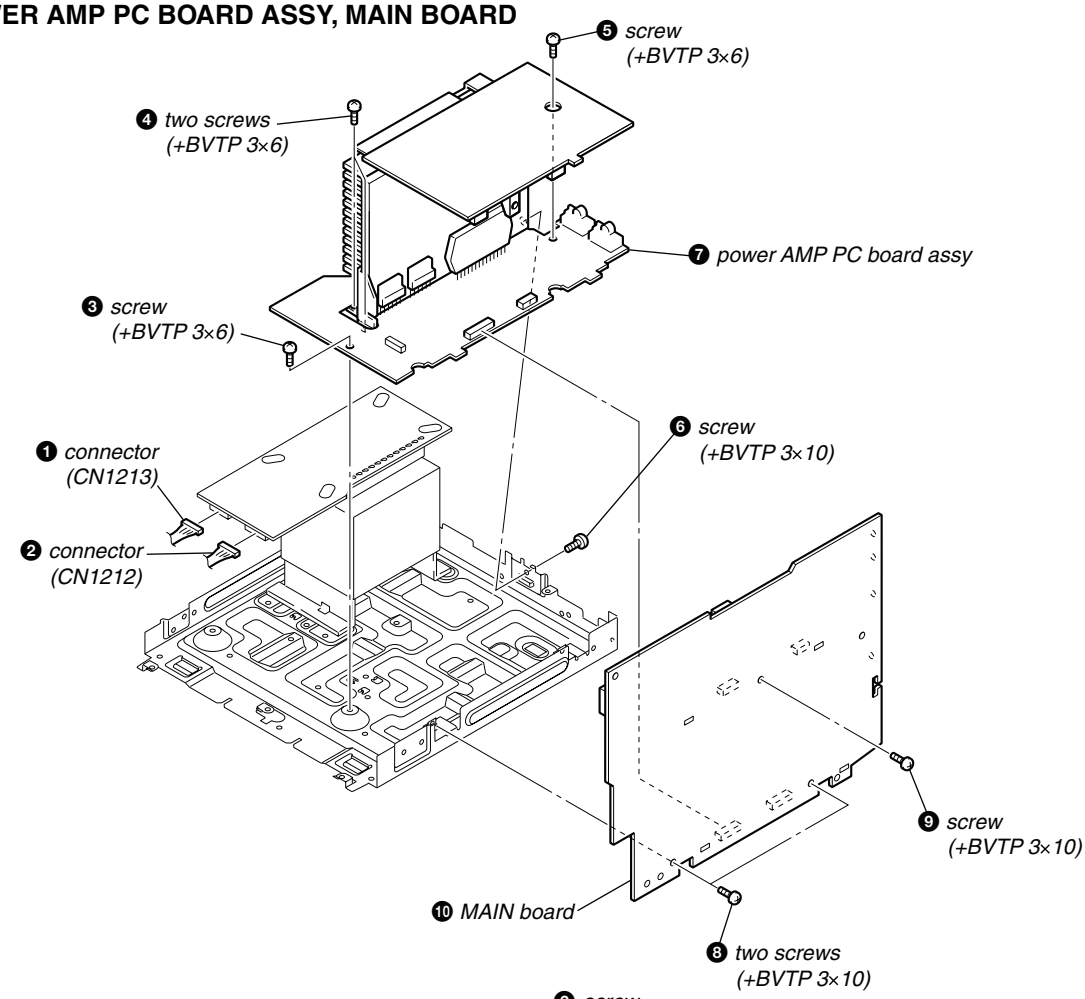
### 3-10. BACK PANEL



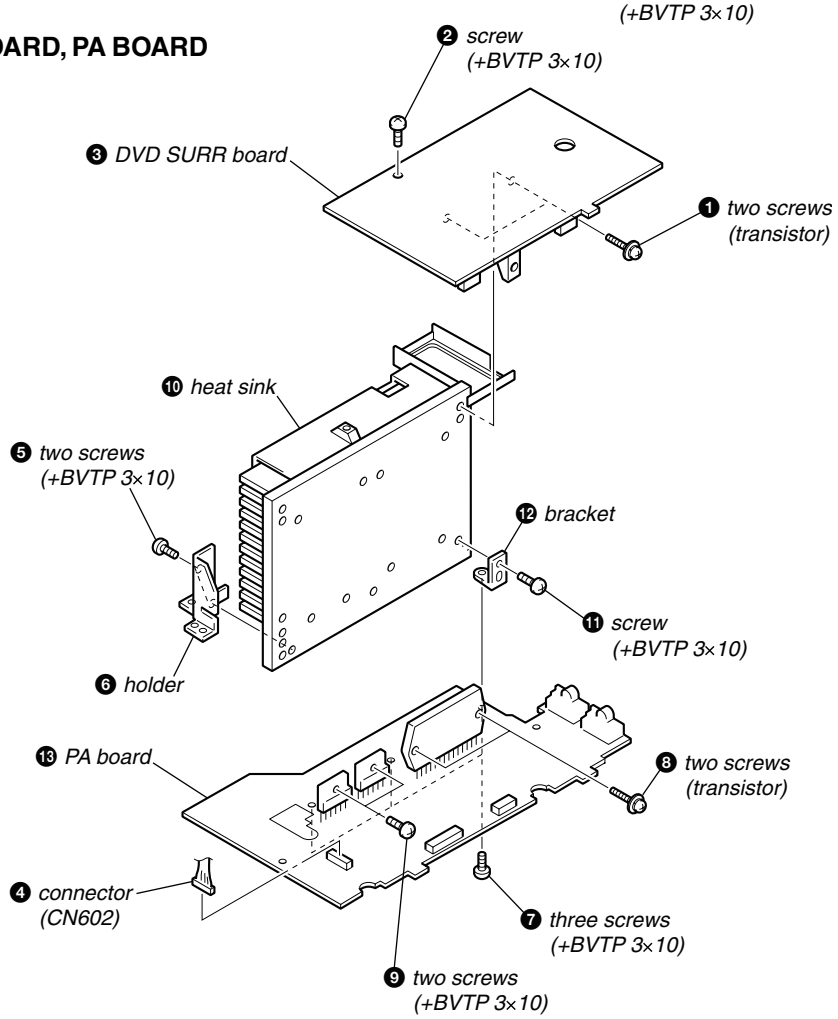

### 3-11. PRIMARY BOARD



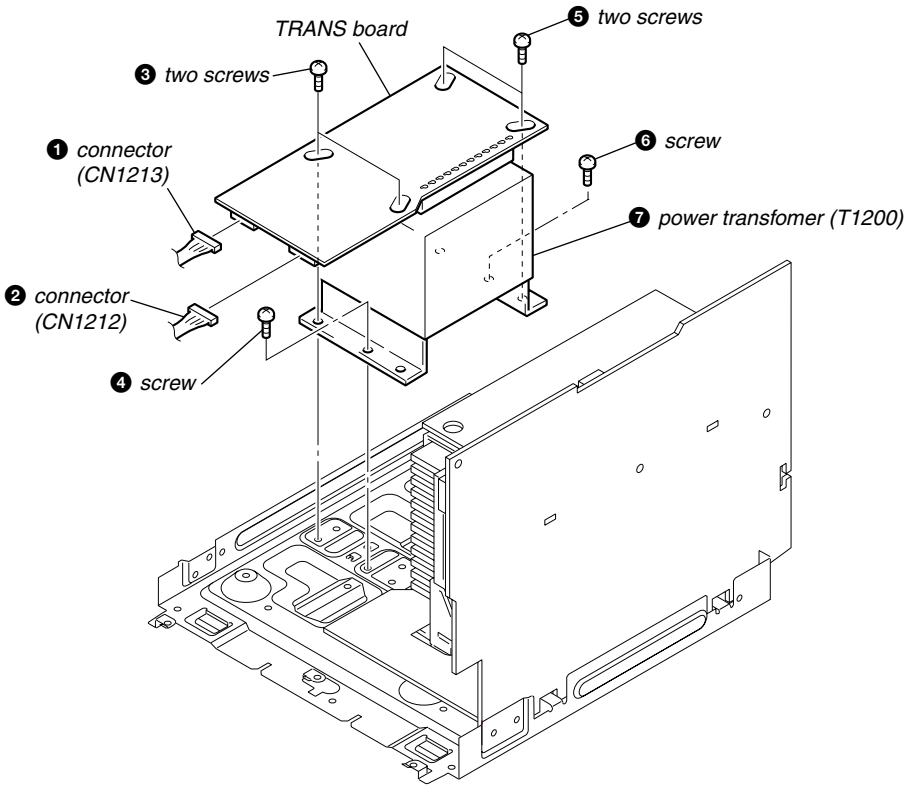
### 3-12. POWER AMP PC BOARD ASSY, MAIN BOARD


❺ screw (+BVTP 3×6)
❹ two screws (+BVTP 3×6)
❼ power AMP PC board assy
❸ screw (+BVTP 3×6)
❻ screw (+BVTP 3×10)
❶ connector (CN1213)
❷ connector (CN1212)
❾ screw (+BVTP 3×10)
❿ MAIN board
❽ two screws (+BVTP 3×10)

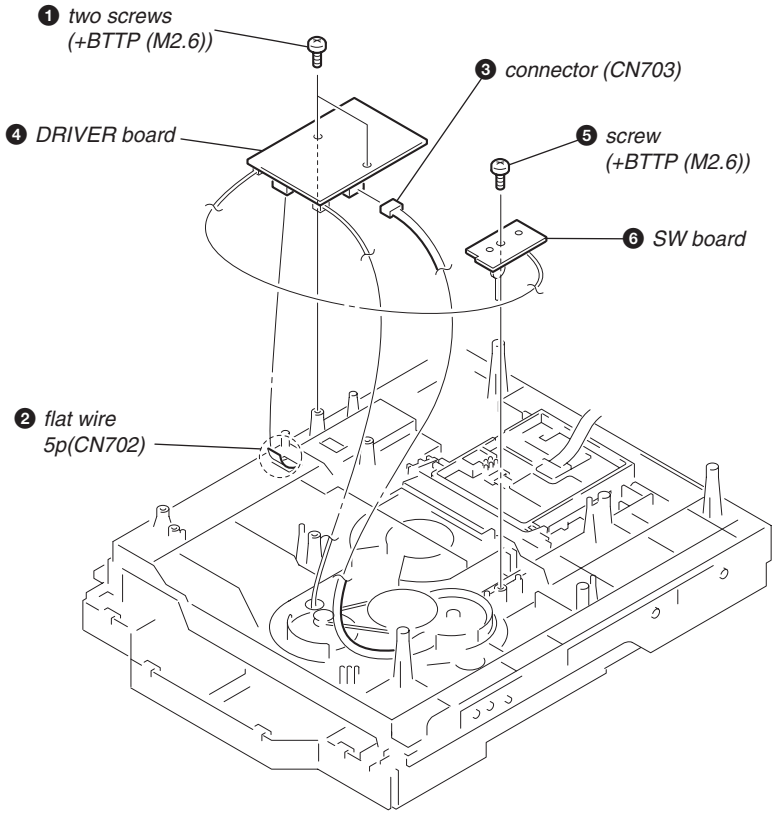
### 3-13. DVD SURR BOARD, PA BOARD



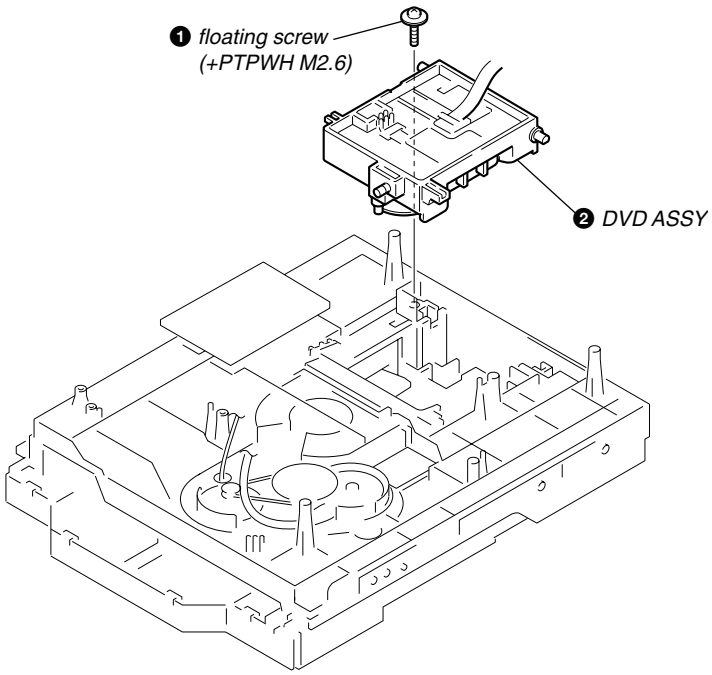
### 3-14. POWER TRANSFORMER (T1200)



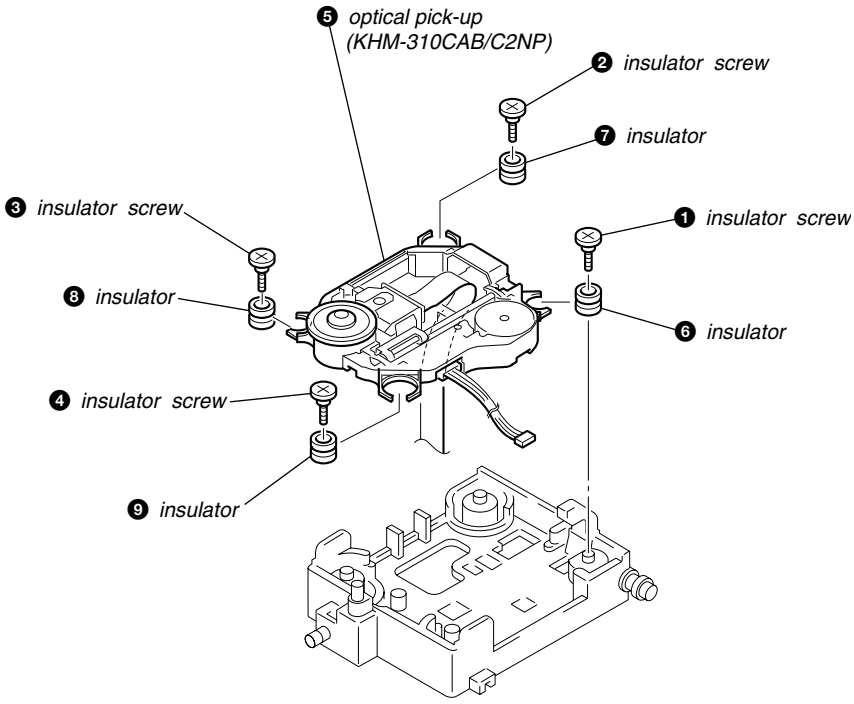

### 3-15. DRIVER BOARD, SW BOARD



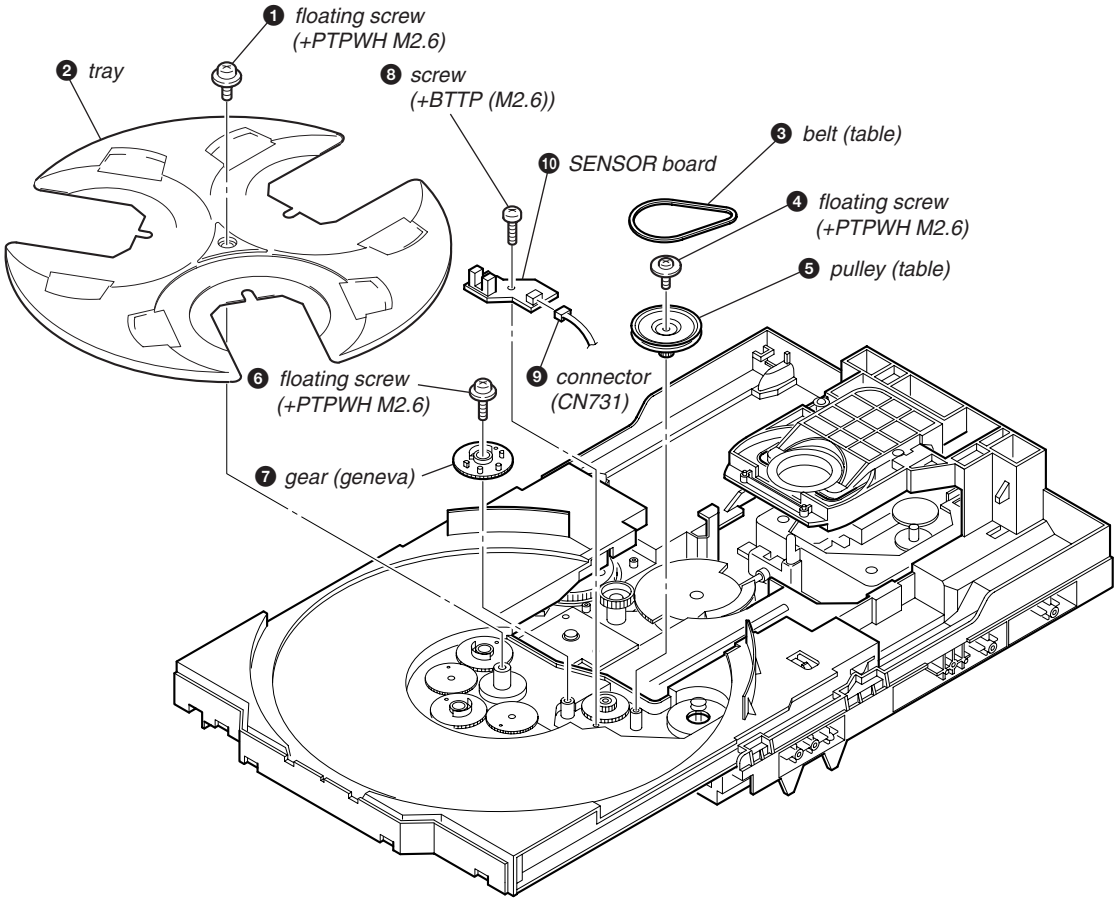
### 3-16. DVD ASSY



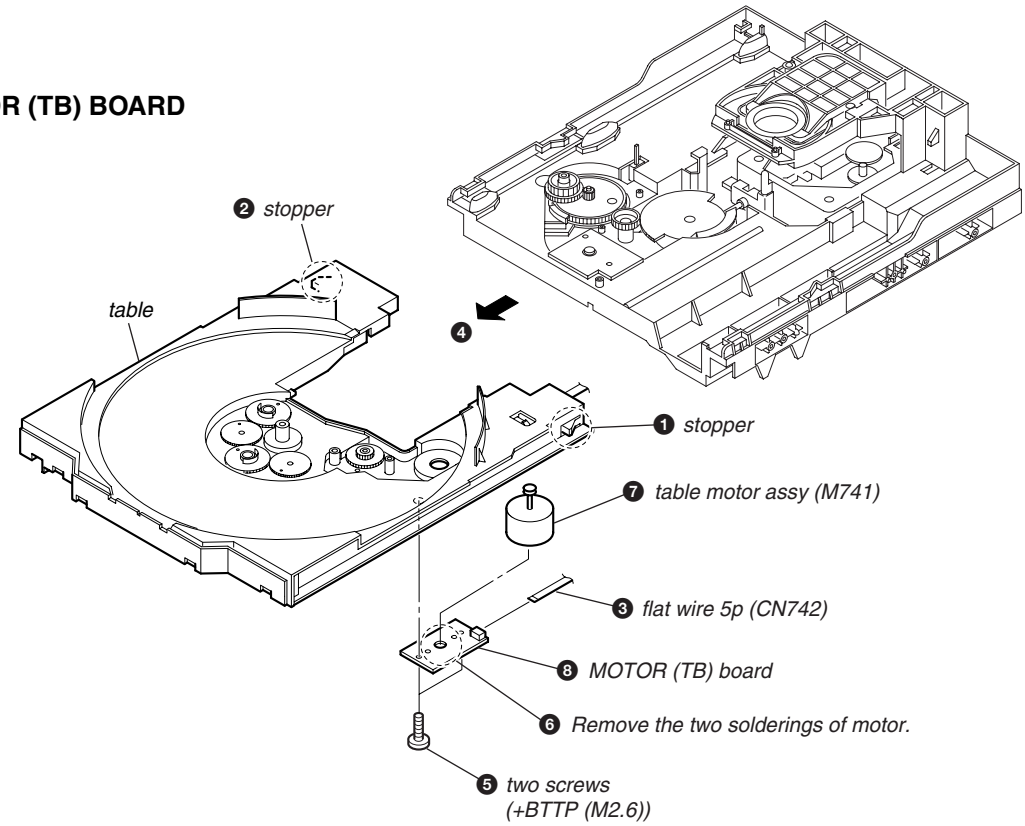

### 3-17. OPTICAL PICK-UP



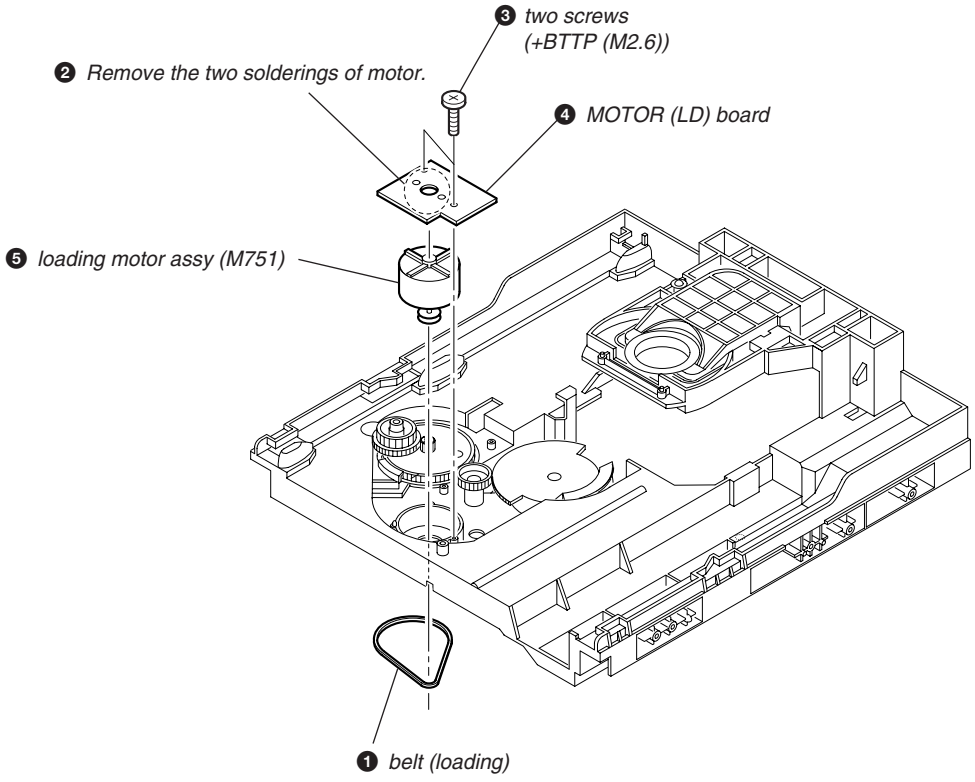
### 3-18. SENSOR BOARD




### 3-19. MOTOR (TB) BOARD



### 3-20. MOTOR (LD) BOARD



# SECTION 4
# TEST MODE

## [GC TEST MODE]

- This mode is used to check the fluorescent indicator tube, LEDs, keys, VOLUME jog, OPERATION DIAL jog, AMS jog, X-ROUD jog (for GNV111D only) model, destination, software version and VACS level.

**Procedure:**

1. Press [■] button, [ENTER] button and [DISC2] button simultaneously.
2. All LEDs and segments in fluorescent indicator tube are lighted up. All LEDs are lighted up in red color, if the system is turned on, the POWER LED is lighted up in green color.
3. When you want to enter the software version display mode, press [DISC1] button. The model and destination are displayed.
4. Each time [DISC1] button is pressed, the display changes from MC version, GC version, SYS version, DVD version, ST version, TC version, TA version, TM version in this order, and returns to the MC version display.
5. When [DISC3] button is pressed while the version numbers are being displayed except model and destination, the date of the software creation appear. When [DISC3] button is pressed again, the display returns to the software version display. When [DISC1] button is pressed while the date of the software creation is being displayed, the date of the software creation is displayed in the same order of software version display.
6. Press [DISC2] button, the key check mode is activated.
7. In the key check mode, the fluorescent indicator tube displays "K0 J0 V0 E0 X0".
   Each time a button is pressed, "K" value increases. However, once a button has been pressed, it is no longer taken into account.
   "J" value increases in the manner of 0,1, 2, 3 ... if [OPERATION DIAL] knob is turned clockwise, or it decreases in the manner of 0, 9, 8,7 ... if [OPERATION DIAL] knob is turned counter-clockwise.
   "V" value increases in the manner of 0, 1, 2, 3 ... if [VOLUME] knob is turned clockwise, or it decreases in the manner of 0, 9, 8,7 ... if [VOLUME] knob is turned counter-clockwise.
   "E" value increases in the manner of 0, 1, 2, 3 ... if [I◀◀ ▶▶I] knob is turned clockwise, or it decreases in the manner of 0, 9, 8,7 ... if [I◀◀ ▶▶I] knob is turned counter-clockwise.
   "X" value increases in the manner of 0, 1, 2, 3 ... if [X-ROUND JOG] knob is turned clockwise or it decreases in the manner of 0, 9, 8, 7 ... if [X-ROUND JOG] knob is turned counterclockwise. (For GNV111D only)
8. When [DISC3] button is pressed after all LEDs and segments in fluorescent indicator tube light up, the fluorescent indicator tube displays "VACS A+B APCC". A is VACS level which is trigger by signal level, B is VACS level which is trigger by temperature and CC is VACS level which is trigger by APVACS (Abuse Protection VACS).
   The signal level, which will trigger VACS A is shown in the center area of the fluorescent indicator tube.
9. When [EX-CHANGE/DISC SKIP] button is pressed after all LEDs and segments in fluorescent indicator tube light up, alternate segments in fluorescent indicator tube would light up. If you press [EX-CHANGE/DISC SKIP] button again, another half of alternate segments in fluorescent indicator tube would light up. Pressing [EX-CHANGE/DISC SKIP] button again would cause all segments lights up.
10. To release from this mode, press three buttons in the same manner as step 1, or disconnect the power cord.

## [MC TEST MODE]

- This mode is used to check operations of the respective sections of Amplifier, Tuner, and Tape.

**Procedure:**

- To enter MC Test Mode

1. Press [■] button, [ENTER] button and [DISC3] button simultaneously.
2. The DVD ring indicators and TAPE A and B indicators flash on the fluorescent indicator tube. The function is changed to TV.

∗ Check of Amplifier

1. Press [EQ BAND] button repeatedly until a message "GEQ MAX" appears on the fluorescent indicator tube. GEQ increases to its maximum.
2. Press [EQ BAND] button repeatedly until a message "GEQ MIN" appears on the fluorescent indicator tube. GEQ increases to its minimum.
3. Press [EQ BAND] button repeatedly until a message "GEQ FLAT" appears on the fluorescent indicator tube. GEQ set to flat.
4. When the [VOLUME] knob is turned clockwise even slightly, the sound volume increases to its maximum and a message "VOLUME MAX" appears on the fluorescent indicator tube.
5. When the [VOLUME] knob is turned counter-clockwise even slightly, the sound volume decreases to its minimum and a message "VOLUME MIN" appears on the fluorescent indicator tube.

∗ Tape function

1. When a tape is inserted in Deck B and recording is started, the function is changed to TV automatically. When [CD SYNC] button is pressed during recording in function, ALC (Automatic Logic Control) is turned on.
2. During recording, turn [◀◀ ▶▶] knob counterclockwise will stop the recording and the function is changed to TAPE B and rewind the tape in Deck B until the recording start position and playback of the tape B is started. If the [REC PAUSE/ START] button is pressed for a pause and pressed again to resume recording during recording time, when the tape is rewind, the tape will be rewind until the position where the pause is applied.

∗ To release from MC Test mode

1. To release from this mode, press [I/⏻] button.
2. The cold reset is enforced at the same time.

## [COLD RESET]

- The cold reset clears all data including preset data stored in the RAM to initial conditions.

**Procedure:**

1. Press [■] button, [ENTER] button, and [I/⏻] button simultaneously.
2. "COLD RESET" appears in the fluorescent indicator tube. Then, the fluorescent indicator tube becomes blank for while, and the set is reset.

## [VACS ON/OFF]

- This mode is used to switch ON and OFF the VACS (Variable Attenuation Control System).

**Procedure:**

1. Press [I/⏻] button to turn the set ON.
2. Press [■] button and [ILLUMINATION] button simultaneously The message "VACS OFF" or "VACS ON" appears on the fluorescent indicator tube.

## [TUNER STEP CHANGE]

- The step interval of AM channels can be toggled between 9 kHz and 10 kHz.

**Procedure:**

1. Press [I/⏻] button to turn the set ON.
2. Press [TUNER/BAND] button to select the "AM".
3. Press [I/⏻] button to turn the set OFF.
4. Press [ENTER] button and [I/⏻] button simultaneously. The set will power ON automatically. The message "AM 9k STEP" or "AM 10k STEP" appears on the fluorescent indicator tube and thus the channel step is changed.

## [DVD SHIP MODE (WITH MEMORY CLEAR)]

- This mode moves the optical pick-up to the position durable to vibration and clears all data including preset data stored in the RAM to initial conditions. Use this mode when returning the set to the customer after repair.

Procedure:

1. Press [I/⏻] button to turn the set ON.
2. Select DVD function.
3. Press [■] button, [DVD] button and [I/⏻] button simultaneously. The set will power off automatically.
4. After the "STANDBY" blinking display finish, a message "MECHALOCK" is displayed on the fluorescent indicator tube and the DVD ship mode is set.

## [DVD SHIP MODE (WITHOUT MEMORY CLEAR)]

- This mode moves the optical pick-up to the position durable to vibration.

**Procedure:**

1. Press [I/⏻] button to turn the set ON.
2. Select DVD function.
3. Press [DVD] button and [I/⏻] button simultaneously. The set will power off automatically.
4. After the "STANDBY" blinking display finish, a message "MECHALOCK" is displayed on the fluorescent indicator tube and the DVD ship mode is set.

## [DVD TRAY LOCK MODE]

- This mode let you lock the disc tray. When this mode is activated, the disc tray will not open when [OPEN/CLOSE] button or [EX-CHANGE/DISC SKIP] button is pressed. The message "LOCKED" will be displayed in on the fluorescent indicator tube.

Procedure:

1. Press [I/⏻] button to turn the set ON.
2. Select DVD function.
3. Press [■] button and [OPEN/CLOSE] button simultaneously and hold down until "LOCKED" or "UNLOCKED" displayed on the fluorescent indicator tube (around 5 seconds).

## [VIDEO/SAT SWITCHING]

- This mode let you switch from VIDEO to SAT and vice-versa.

**Procedure:**

1. Press [I/⏻] button to turn the set ON.
2. Select TV/SAT function.
3. Press [TV/SAT] button and [I/⏻] button simultaneously. The function will change to SAT. Press the same buttons again to change from SAT to VIDEO.

## [DVD COLOR SYSTEM SWITCHING]

- This mode let you change the color system of the video output from PAL to NTSC or vice-versa.

**Procedure:**

1. Press [I/⏻] button to turn the set ON.
2. Select DVD function.
3. Press [I/⏻] button to turn the set OFF.
4. Press [PAUSE] button and [I/⏻] button simultaneously. The set will power on automatically.
5. The message "COLOR PAL" or "COLOR NTSC" will be displayed on the fluorescent indicator tube.

## [REMOTE COMMANDER DISABLE MODE]

- This mode let you disable the remote commander reception. When this mode is activated, the set will not response if the button on the remote commander is pressed. The message "RemoteDisable" will be displayed on the fluorescent indicator tube. Use this mode during aging to avoid disturbance.

**Procedure:**

1. Press [■] button, [GROOVE] button and [DISC 2] button simultaneously, "RemoteDisable" displayed on the fluorescent indicator tube. To enable the remote commander reception, press the same buttons again.
   "RemoteEnable" displayed on the fluorescent indicator tube.

## [DVD SERVICE MODE]

- This mode let you make diagnosis and adjustment easily by using the remote commander and TV. The instructions, diagnostic results, etc. are given on the on-screen display (OSD).

**Procedure:**

1. Press I/⏻ button to turn the set ON.
2. Select DVD function.
3. Press ■ button and OPEN/CLOSE button simultaneously and then turn the VOLUME knob clockwise.
4. The message "SERVICE IN" will be displayed on the fluorescent indicator tube and the Test Mode Menu is displayed on the on-screen display on the TV. The model name and revision number is displayed at the bottom of the on-screen display.

```
        Remocon Diagnosis Menu

0. External Chip Check
1. Servo Parameter Check
2. Drive Manual Operation
3. Emergency History Check
4. Version information
5. Video Level Adjustment

Model      : GNV99D_E
IF-con Ver : 00.10(0000)
Syscon Ver : 0.165
```

5. To execute each function, press its number by using numeric button on the remote commander.
6. To release from this mode, press I/⏻ button to turn the set OFF.

## [EXECUTING IOP MEASUREMENT]

In order to execute mirror time adjustment, the following standard procedures must be followed.

1. In standby mode, press ■ button and OPEN/CLOSE button simultaneously and the turn the VOLUME knob clockwise.

```
        Remocon Diagnosis Menu

0. External Chip Check
1. Servo Parameter Check
2. Drive Manual Operation
3. Emergency History Check
4. Version information
5. Video Level Adjustment

Model      : GNV99D_E
IF-con Ver : 00.10(0000)
Syscon Ver : 0.165
```

2. Select "2. Drive Manual Operation" by pressing the 2 button on the remote commander. The screen will appear as below.

```
        Drive Manual Operation

1. Servo Control
2. Track/Layer Jump
3. Manual Adjustment
4. Tray Aging Mode
5. MIRR time adjust
0. Return to top Menu
```

3. Select "3. Manual Adjustment" by pressing the 3 button on the remote commander. The screen will appear as below.

```
            Manual Adjust

1. Track Balance Adjust:
2. Track Gain Adjust:
3. Focus Balance Adjust:
4. Focus Gain Adjust:
5. Eg boost Adjust:
6. Iop:
7. TRV. Level:
8. S curve(FE) Level:
9. RFL(PI) Level:
0. MIRR Time:

? ? Change Value
RETURN Return to previous menu
```

4. Select Iop by pressing 6 button on the remote commander.

5. Wait until a hexadecimal number appear.

```
            Manual Adjust

1. Track Balance Adjust:
2. Track Gain Adjust:
3. Focus Balance Adjust:
4. Focus Gain Adjust:
5. Eq Boost Adjust:
6. Iop. (ED:)
7. TRV. Level:
8. S curve(FE) Level:
9. RFL(PI) Level:
0. MIRR Time:

Change Value
[0] Return to previous menu
```

6. Convert data from hexadecimal to decimal using conversion table.

7. Press [RETURN] to return back to previous menu.

8. Press [0] to return to Top Menu and power OFF the DVD Player.

## [EMERGENCY HISTORY CHECK]

Information of Emergency History.

1. In standby mode, press [TOP MENU], [CLEAR], [I/⏻] buttons to enter Remocon Diagnosis Mode.

2. Select "3. Emergency History".

```
          Emg. History Check

Laser Hours     CD     999h    59min
                DVD    999h    59min

1. 01 05 04 04         00 92 46 00
   00 00 00 00         00 00 23 45
2. 02 02 01 01         00 A9 4B 00
   00 00 00 00         00 00 23 45

[Next] Next Page [Prev] Prev Page
```

3. Laser Hours
   DVD Laser ON time. (Total ON time)
   CD Laser ON time. (Total ON time)

4. Emergency History
   The history information from last "1" to "10" can be scrolled with [NEXT] button or [PREV] button.

5. Error code

```
        Example of Error code

1. [01] 05 04 04       00 92 46 00
   00 00 00 00         00 00 23 45
```

6. Error code list
   01: Communication error (No reply from syscon)
   02: Syscon hung up
   03: Power OFF request when syscon hung up
   19: Thermal shutdown
   24: MoveSledHome error
   25: Mecha move error (5 Changer)
   26: Mecha move stack error
   30: DC Motor adjustment error
   31: DPD offset adjustment error
   32: TE Balance adjustment error
   33. TE Sensor adjustment error
   34. TE loop gain adjustment error
   35. FE loop gain adjustment error
   36. Bad jitter after adjustment
   40. Focus NG
   42. Focus Layer Jump NG
   52. Open kick spindle error
   51: Spindle stop error
   60: Focus on error
   61: Seek fail error
   62: read Qdata/ID error
   70: Lead In Data Read Fail
   71: TOC read time out (CD)
   80: Can't Buffering
   81: Unknown media type

7. Error code parameters

```
        Example of Error code

1. 01 [05 04 04       00 92 46 00]
   [00 00 00 00       00 00] 23 45
```

   This is the detailed contents od error information

8. Laser hours at error happend.

```
        Example of Error code

1. 01 05 04 04         00 92 46 00
   00 00 00 00         00 00 [23 45]
```

   This is Laser hours when an error happaned.

9. How to Clearing laser hours
   Press [DISPLAY], [CLEAR] buttons in this order.
   Both CD and DVD data are cleared.

```
          Emg. History Check

Laser Hours     CD     0h     0min
                DVD    0h     0min

1. 01 05 04 04         00 92 46 00
   00 00 00 00         00 00 23 45

2. 02 02 01 01         00 A9 4B 00
   00 00 00 00         00 00 23 45

[Next] Next Page [Prev] Prev Page
[0] Return to Top Menuas
```

10. How to Clearing Emergency code
    Press [TOPMENU], [CLEAR] buttons in this order.
    All emergency code are cleared.

```
         Emg. History Check
Laser Hours     CD    999h    59min
                DVD   999h    59min
1. 00 00 00 00        00 00 00 00
   00 00 00 00        00 00 00 00
2. 00 00 00 00        00 00 00 00
   00 00 00 00        00 00 00 00

[Next] Next Page [Prev] Prev Page
```

11. Press [0] button, return to TOP MENU.

### [INITIALIZING SETUP DATA]

How to initializing setup data.

1. In standby mode, press [TOP MENU], [CLEAR], [I/⏻] buttons to enter Remocon Diagnosis Mode.

2. Select “3. Emergency History”.

```
         Emg. History Check
Laser Hours     CD    999h    59min
                DVD   999h    59min
1. 01 05 04 04        00 92 46 00
   00 00 00 00        00 00 23 45
2. 02 02 01 01        00 A9 4B 00
   00 00 00 00        00 00 23 45

[Next] Next Page [Prev] Prev Page
```

3. Initializing setup data
   Press [MENU], [CLEAR] buttons in this order.
   The data have been initialized when “Initialize setup data...” mesage is displayed.

```
         Emg. History Check
Laser Hours     CD    999h    59min
                DVD   999h    59min

Initialize setup data ...



[Next] Next Page [Prev] Prev Page
```

4. The Emergency history display screen will be restored soon.

```
         Emg. History Check
Laser Hours     CD    999h    59min
                DVD   999h    59min

1. 01 05 04 04        00 92 46 00
   00 00 00 00        00 00 23 45
2. 02 02 01 01        00 A9 4B 00
   00 00 00 00        00 00 23 45

[Next] Next Page [Prev] Prev Page
```

5. Press [0] button, return to TOP MENU.

### [VERSION INFORMATION]

Information of firmware version.

1. In standby mode, press [TOP MENU], [CLEAR], [POWER] buttons to enter Remocon Diagnosis Mode.

2. Select “4. Version Information”.

```
        Version information

Firm (Main) : Ver. xxxxx
Firm (Sub) : xxxxx
RISC : xxxxx
8032 : xxxxx
Audio DSP : xxxxx
Servo DSP : xxxxx


[0] Return to Top Menu
```

3. Press [0] button, return to TOP MENU.

# SECTION 5
# MECHANICAL ADJUSTMENTS

### Precaution

1. Clean the following parts with a denatured alcohol-moistened swab:
   record/playback heads  pinch rollers
   erase head  rubber belts
   capstan  idlers
2. Demagnetize the record/playback head with a head demagnetizer.
3. Do not use a magnetized screwdriver for the adjustments.
4. After the adjustments, apply suitable locking compound to the parts adjusted.
5. The adjustments should be performed with the rated power supply voltage unless otherwise noted.

### Torque Measurement

| Mode | Torque meter | Meter reading |
|---|---|---|
| FWD | CQ-102C | 3.06 N • m to 6.96 N • m<br>31 to 71 g • cm<br>(0.43 – 0.98 oz • inch) |
| FWD<br>back tension | CQ-102C | 0.19 N • m to 0.58 N • m<br>2 to 6 g • cm<br>(0.02 – 0.08 oz • inch) |
| REV | CQ-102RC | 3.06 N • m to 6.96 N • m<br>31 to 71 g • cm<br>(0.43 – 0.98 oz • inch) |
| REV<br>back tension | CQ-102RC | 0.19 N • m to 0.58 N • m<br>2 to 6 g • cm<br>(0.02 – 0.08 oz • inch) |
| FF/REW | CQ-201B | 6.96 N • m to 14.02 N • m<br>71 to 143 g • cm<br>(0.98 – 1.99 oz • inch) |
| FWD tension | CQ-403A | 9.80 N • m<br>100 g or more<br>(3.53 oz or more) |
| REV tension | CQ-403R | 9.80 N • m<br>100 g or more<br>(3.53 oz or more) |

# SECTION 6
# ELECTRICAL ADJUSTMENTS

**DECK SECTION**  0 dB=0.775 V

1. Demagnetize the record/playback head with a head demagnetizer.
2. Do not use a magnetized screwdriver for the adjustments.
3. After the adjustments, apply suitable locking compound to the parts adjust.
4. The adjustments should be performed with the rated power supply voltage unless otherwise noted.
5. The adjustments should be performed in the order given in this service manual. (As a general rule, playback circuit adjustment should be completed before performing recording circuit adjustment.)
6. The adjustments should be performed for both L-CH and R-CH.
7. Switches and controls should be set as follows unless otherwise specified.

• Test Tape

| Tape | Signal | Used for |
|---|---|---|
| P-4-A100 | 10 kHz, –10 dB | Azimuth Adjustment |

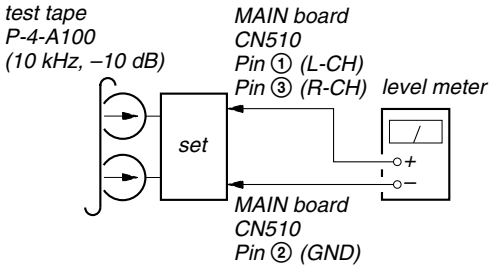
### RECORD/PLAYBACK HEAD AZIMUTH ADJUST-MENT

**DECK A**  **DECK B**

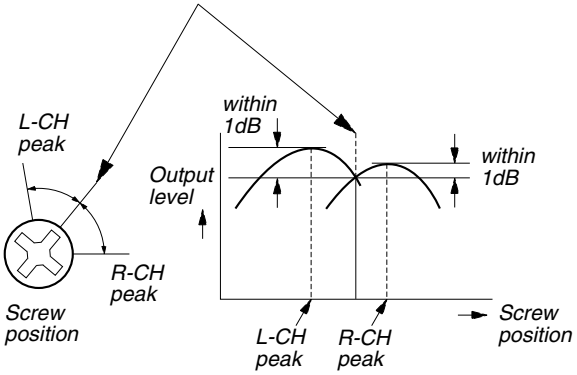
**Note:** Perform this adjustments for both decks

**Procedure:**

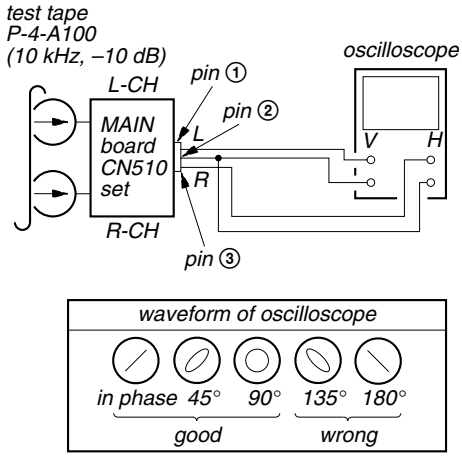
1. Mode: Playback



2. Turn the adjustment screw and check output peaks. If the peaks do not match for L-CH and R-CH, turn the adjustment screw so that outputs match within 1dB of peak.

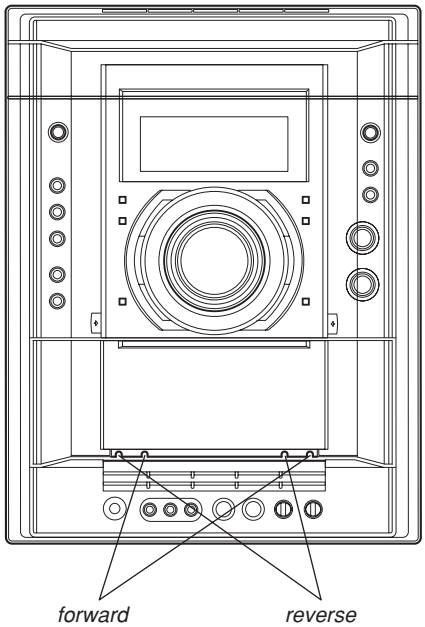



3. Mode: Playback




4. After the adjustments, apply suitable locking compound to the pats adjusted.

**Adjustment Location:** Playback Head (Deck A).
Record/Playback/Erase Head (Deck B).




## DVD SECTION

### AUTO SERVO ADJUSTMENT

After parts related to the servo circuit (RF amplifier , DSP (IC102), motor driver (IC201), EEPROM (IC103) so on) are replaced, re-adjusting the servo circuit is necessary.

### [TEST DISC LIST]

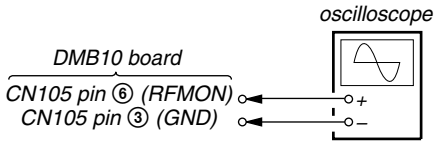
Use the following test disc on test mode.

| | |
|---|---|
| TDV-520CSO (DVD-SL): | PART No. J-2501-236-A |
| LUV-P01 (CD): | PART No. 4-999-032-01 |
| TDV-540C (DVD-DL): | PART No. J-2501-235-A |

**Note:** Do not use exiting test disc for DVD.

### [RFMON Level Check]

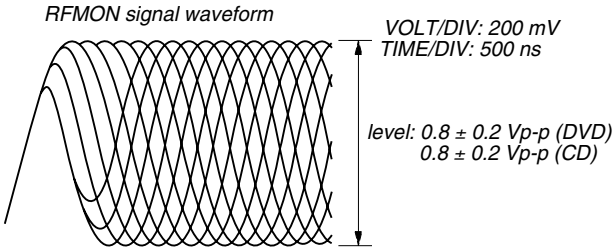
**Connection:**



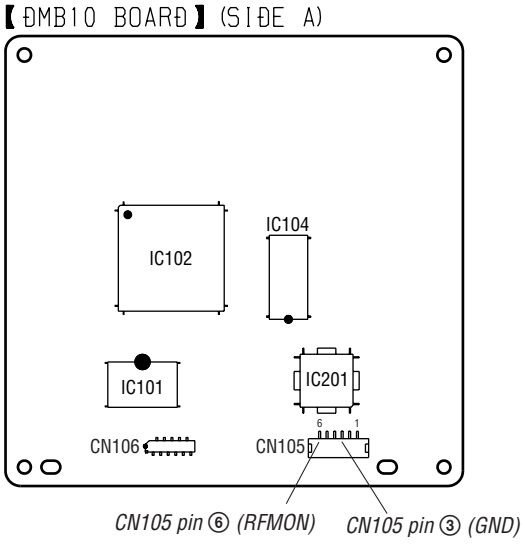

**Procedure:**

1. Connect an oscilloscope to CN105 pin ⑥ (RFMON) and CN105 pin ③ (GND) on the DMB10 board.
2. Turn the power on.
3. Set the test disc (DVD: TDV-520CSO, CD: LUV-P01) on the tray and press ▷ button to playback.
4. Confirm that oscilloscope waveform is clear and check RFMON signal level is correct or not.

**Note:** A clear RFMON signal waveform means that the shape "◊" can be clearly distinguished at the center of the waveform.




**Checking Location:** DMB10 board (Side A)



# SECTION 7
# DIAGRAMS

**For Schematic Diagrams.**
**Note:**
- All capacitors are in µF unless otherwise noted. (p: pF) 50 V or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4 W or less unless otherwise specified.
- % : indicates tolerance.
- Δ : internal component.
- : nonflammable resistor.
- : fusible resistor.

**Note:**
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

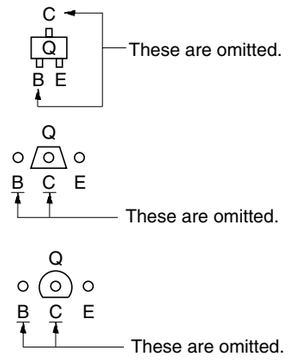
- : panel designation.
- : B+ Line.
- : B– Line.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
  DMB10 and VIDEO boards
  no mark : DVD PLAY
  Other board
  no mark : TUNER (FM/AM)
  ( ) : DVD PLAY
  < > : TAPE PLAY
  [ ] : TAPE REC
  * : Impossible to measure
- Voltages are taken with a VOM (Input impedance 10 MΩ). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
  : AUDIO
  : TUNER
  : TAPE PLAY (DECK A)
  : TAPE PLAY (DECK B)
  : REC (DECK B)
  : CD PLAY
  : MIC
  : DVD PLAY
  : VIDEO
  : Y
  : CHROMA
  : COMPONENT VIDEO
  : R, G, B

**Note on Printed Wiring Boards.**
**Note:**
- : parts extracted from the component side.
- : Pattern from the side which enables seeing.

(The other layers' patterns are not indicated.)

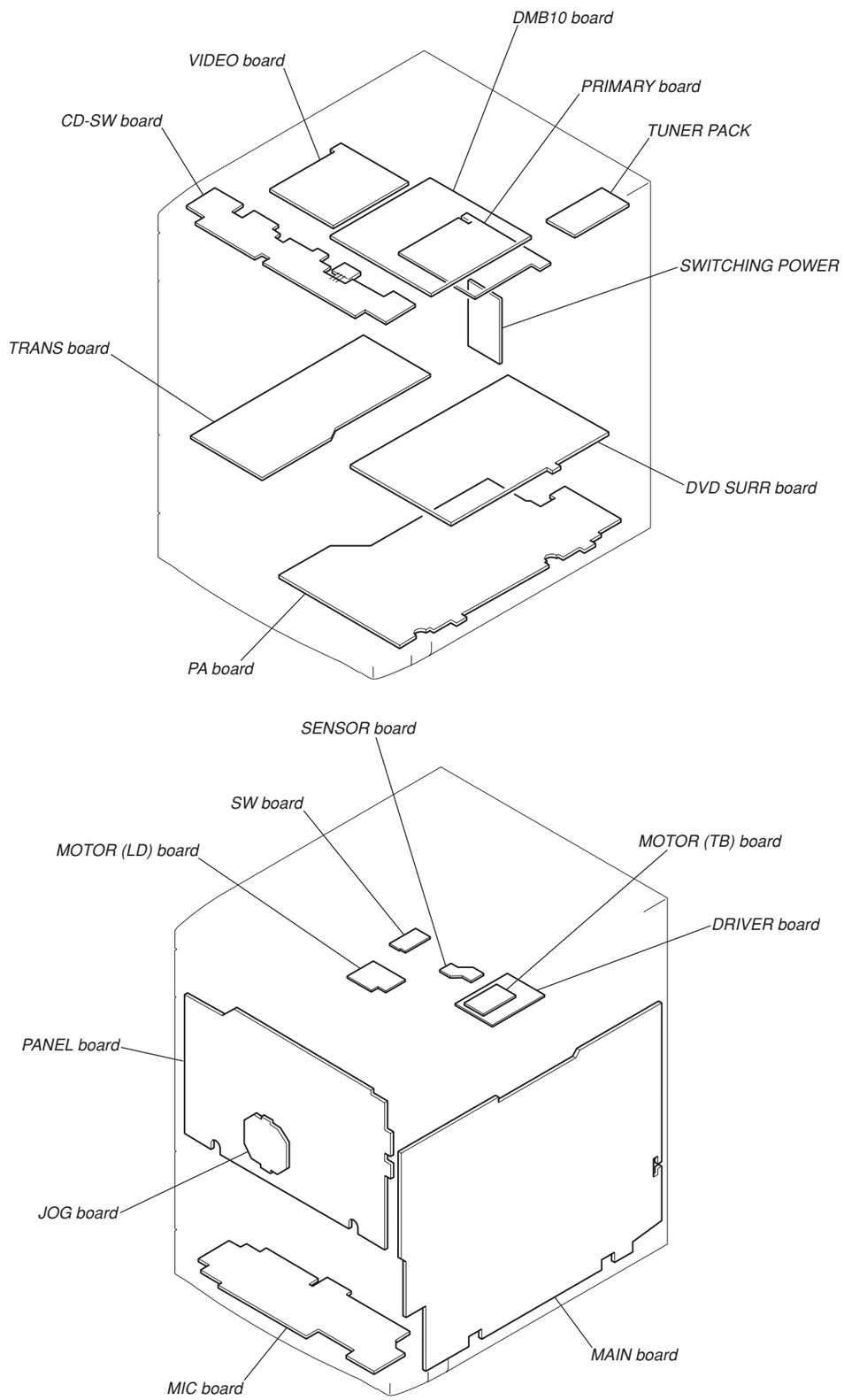
Caution:
Pattern face side: (SIDE A) Parts on the pattern face side seen from the pattern face are indicated.
Parts face side: (SIDE B) Parts on the parts face side seen from the parts face are indicated.

- Indication of transistor.

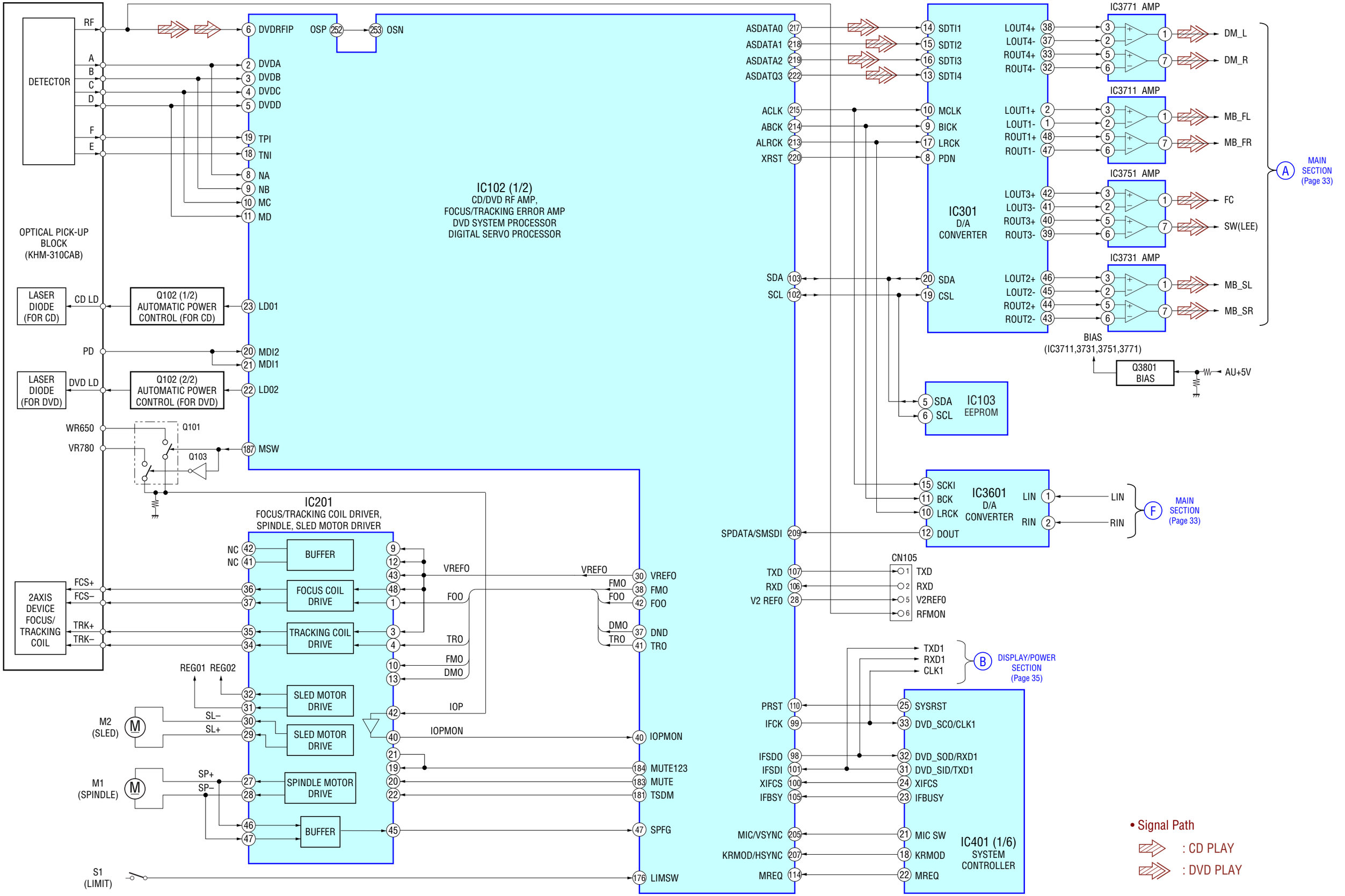



- Abbreviation
  AUS : Australian model
  E2 : 120V AC Area in E model
  E3 : 240V AC Area in E model
  E12 : 220V-240V AC Area in E model
  E13 : 220V-230V AC Area in E model
  E15 : Iran model
  EA : Saudi Arabia model
  MY : Malaysia model
  MX : Mexican model
  PH : Philippines model
  SP : Singapore model
  TH : Thai model

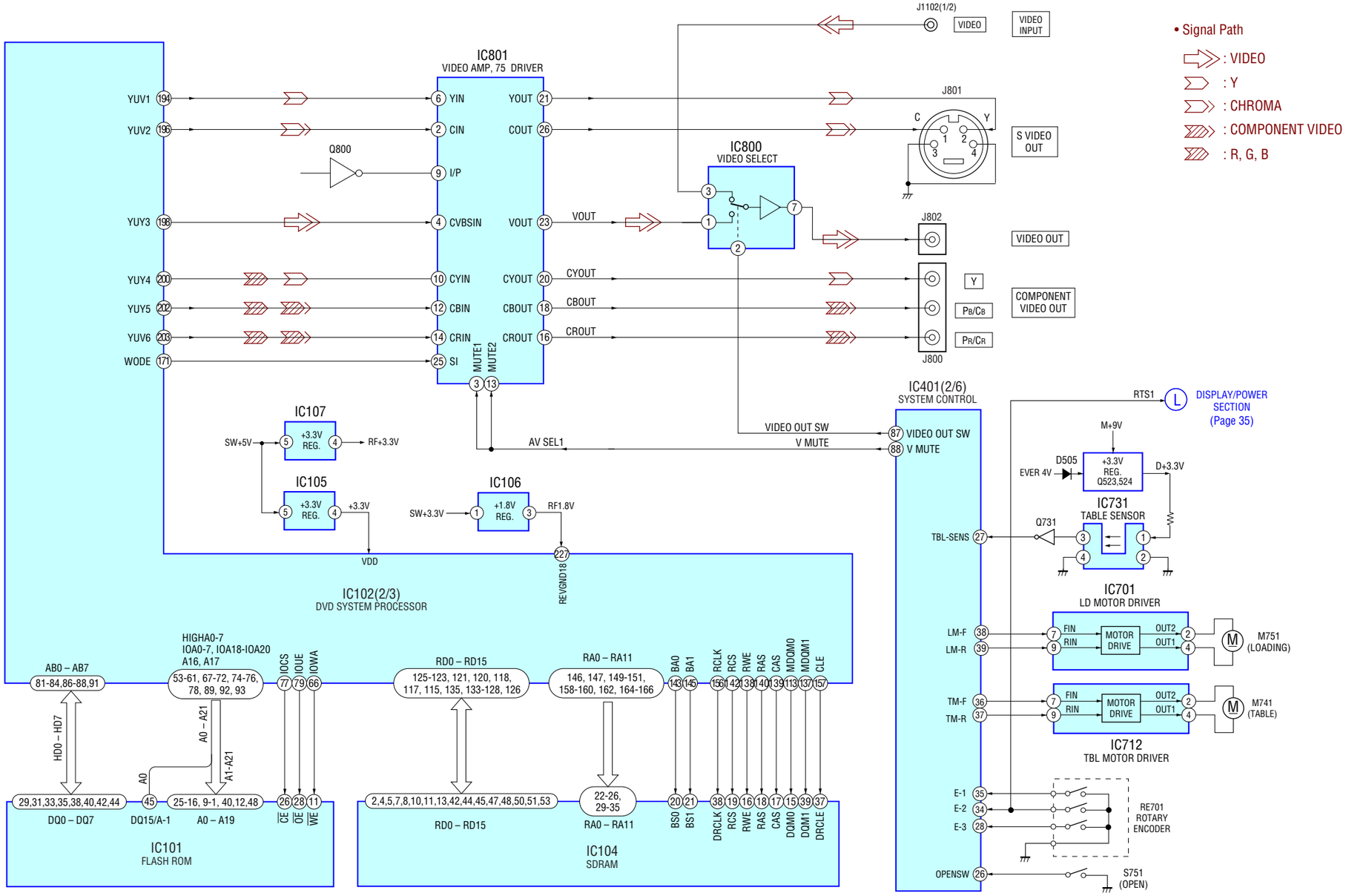
**• Circuit Boards Location**



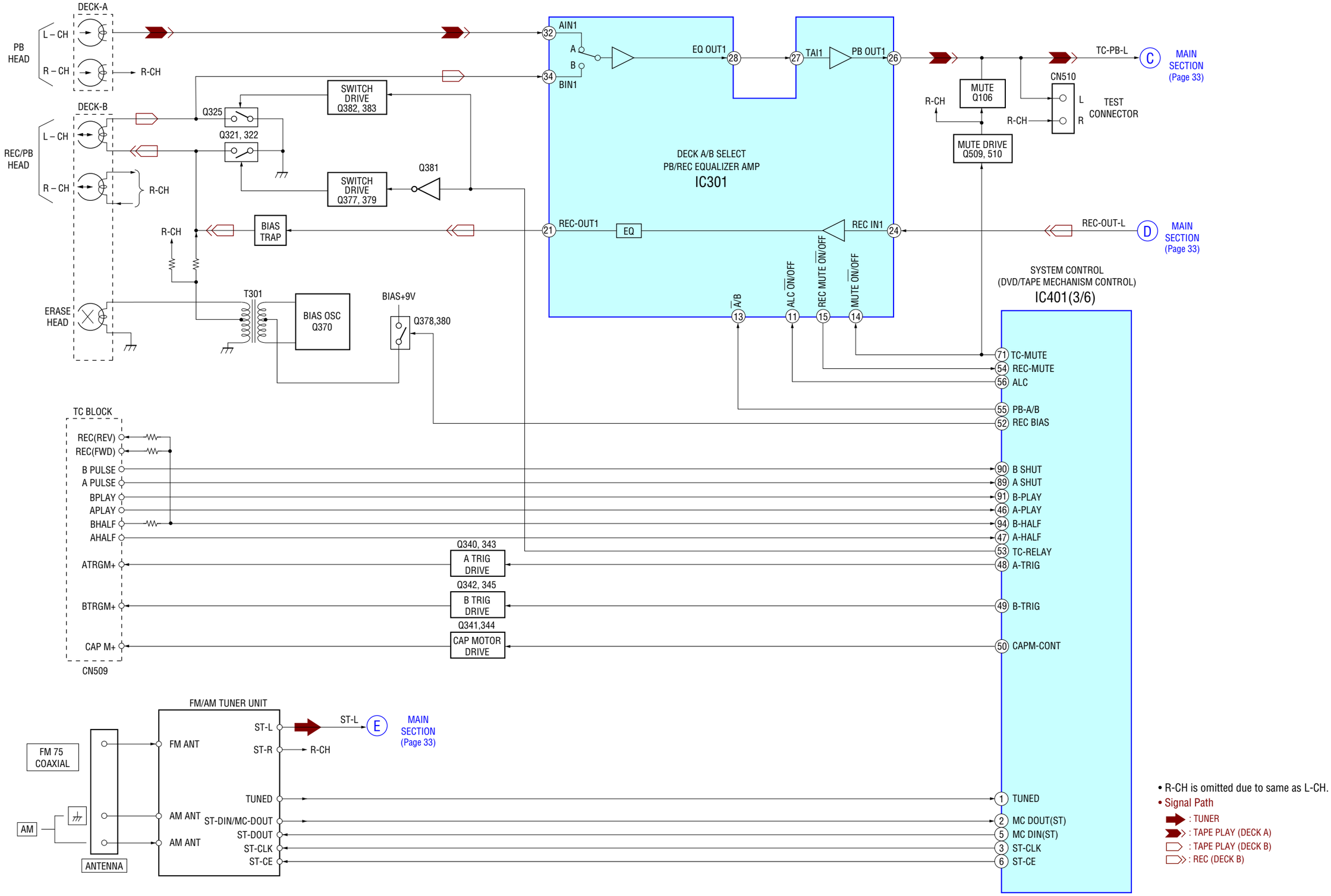
## 7-1. BLOCK DIAGRAM – RF SECTION –



## 7-2. BLOCK DIAGRAM – VIDEO SECTION –

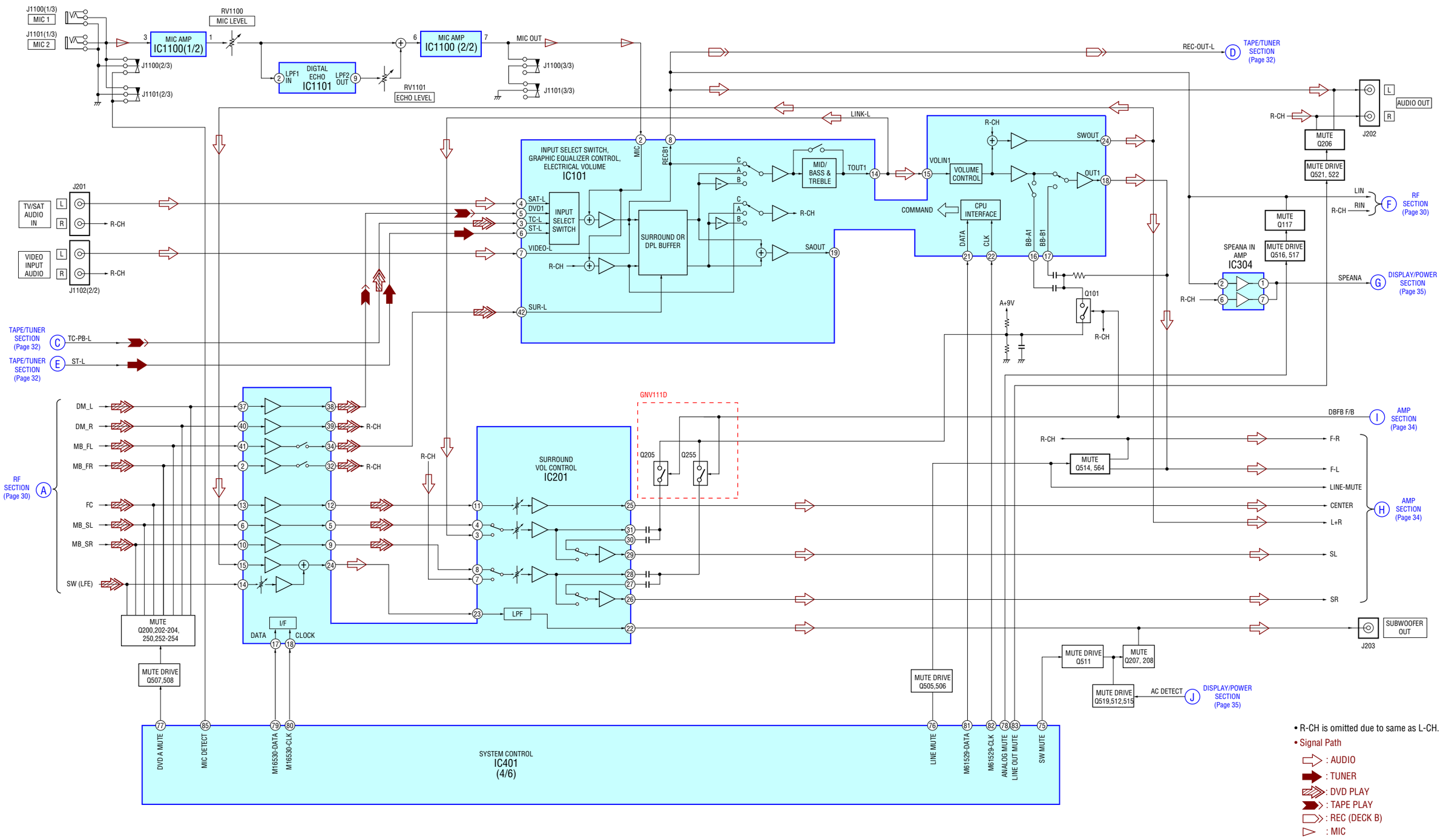


## 7-3. BLOCK DIAGRAM – TAPE/TUNER SECTION –



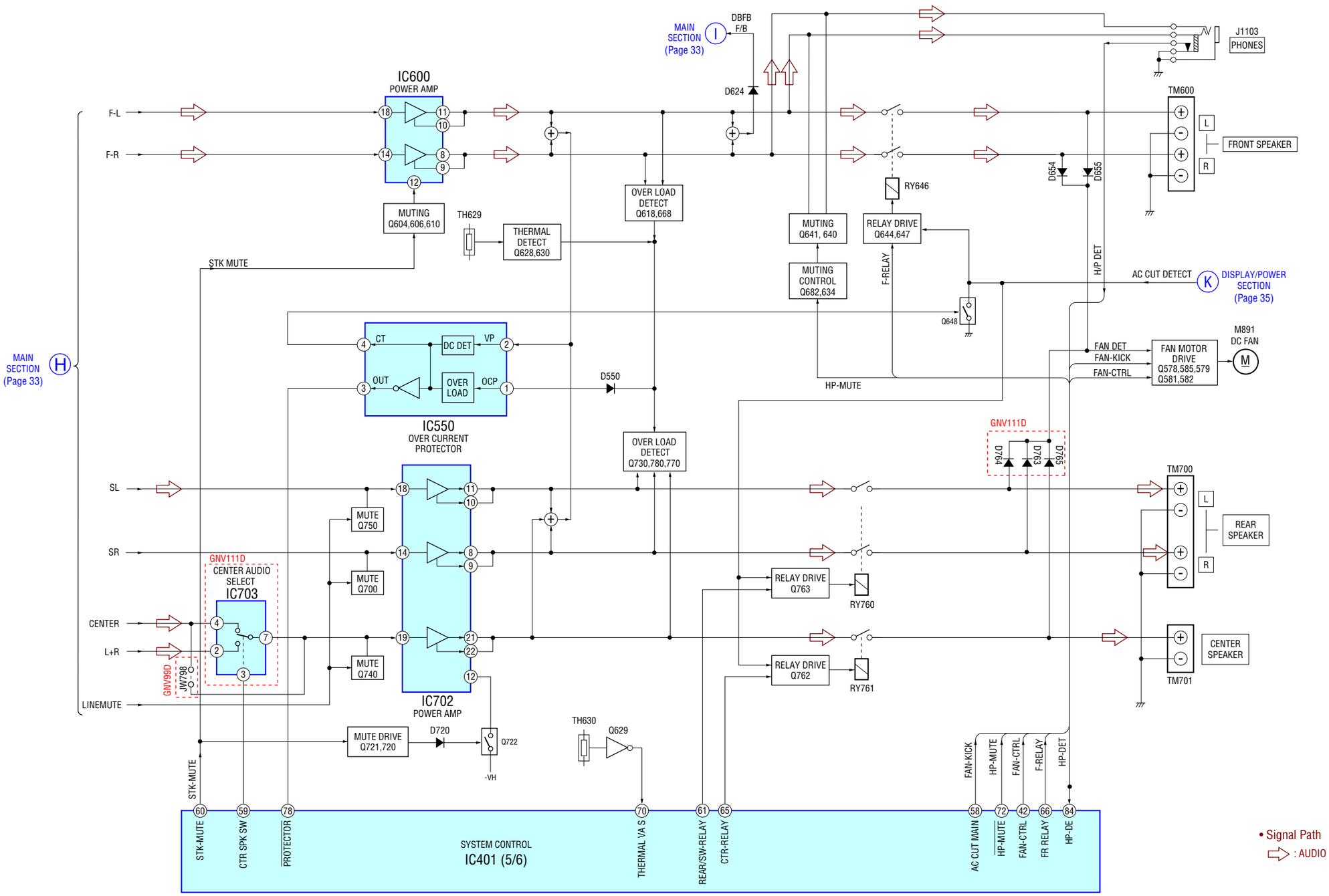

- R-CH is omitted due to same as L-CH.
- Signal Path
  - : TUNER
  - : TAPE PLAY (DECK A)
  - : TAPE PLAY (DECK B)
  - : REC (DECK B)

## 7-4. BLOCK DIAGRAM – MAIN SECTION –

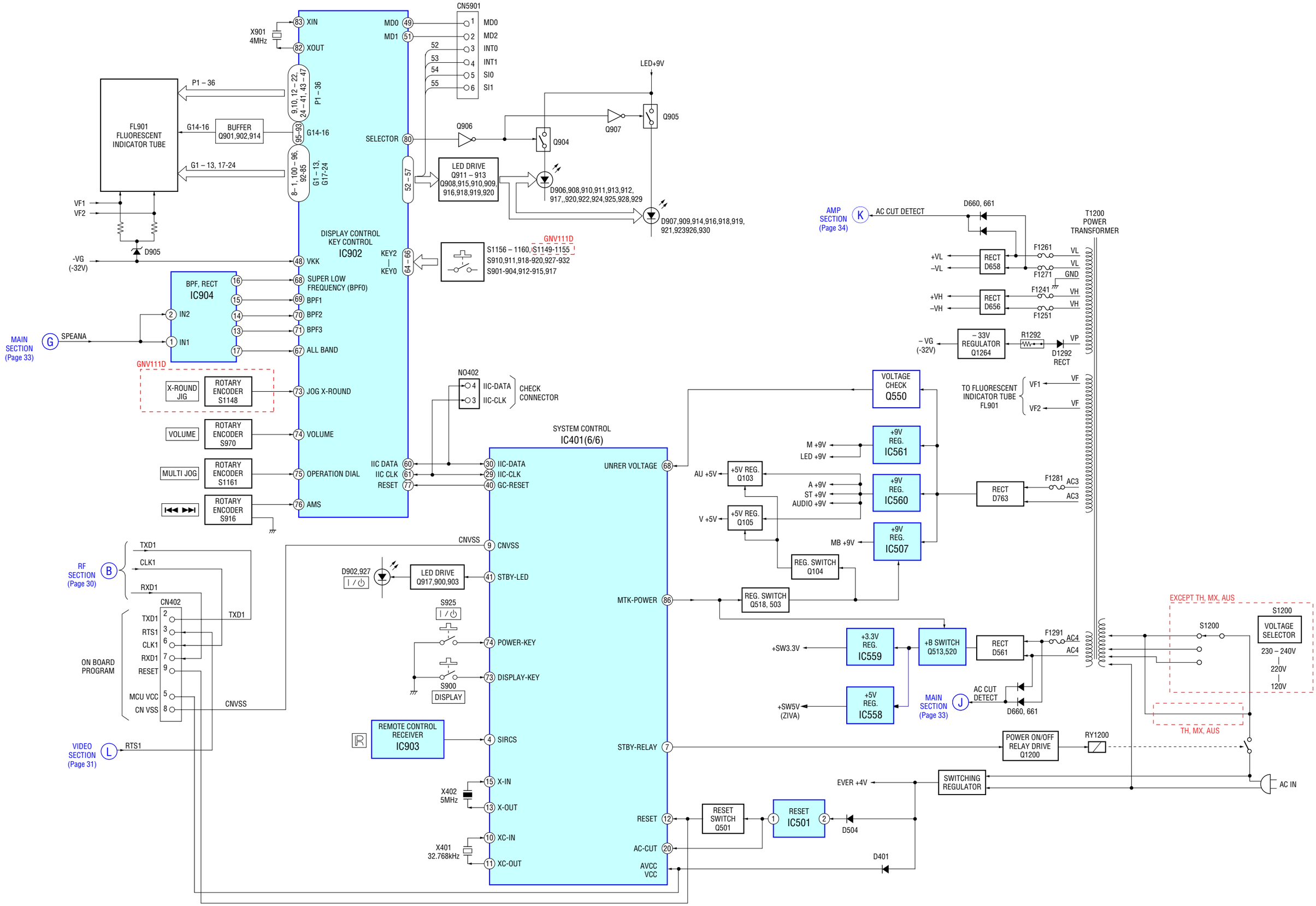



- R-CH is omitted due to same as L-CH.
- Signal Path
  - : AUDIO
  - : TUNER
  - : DVD PLAY
  - : TAPE PLAY
  - : REC (DECK B)
  - : MIC

## 7-5. BLOCK DIAGRAM – AMP SECTION –



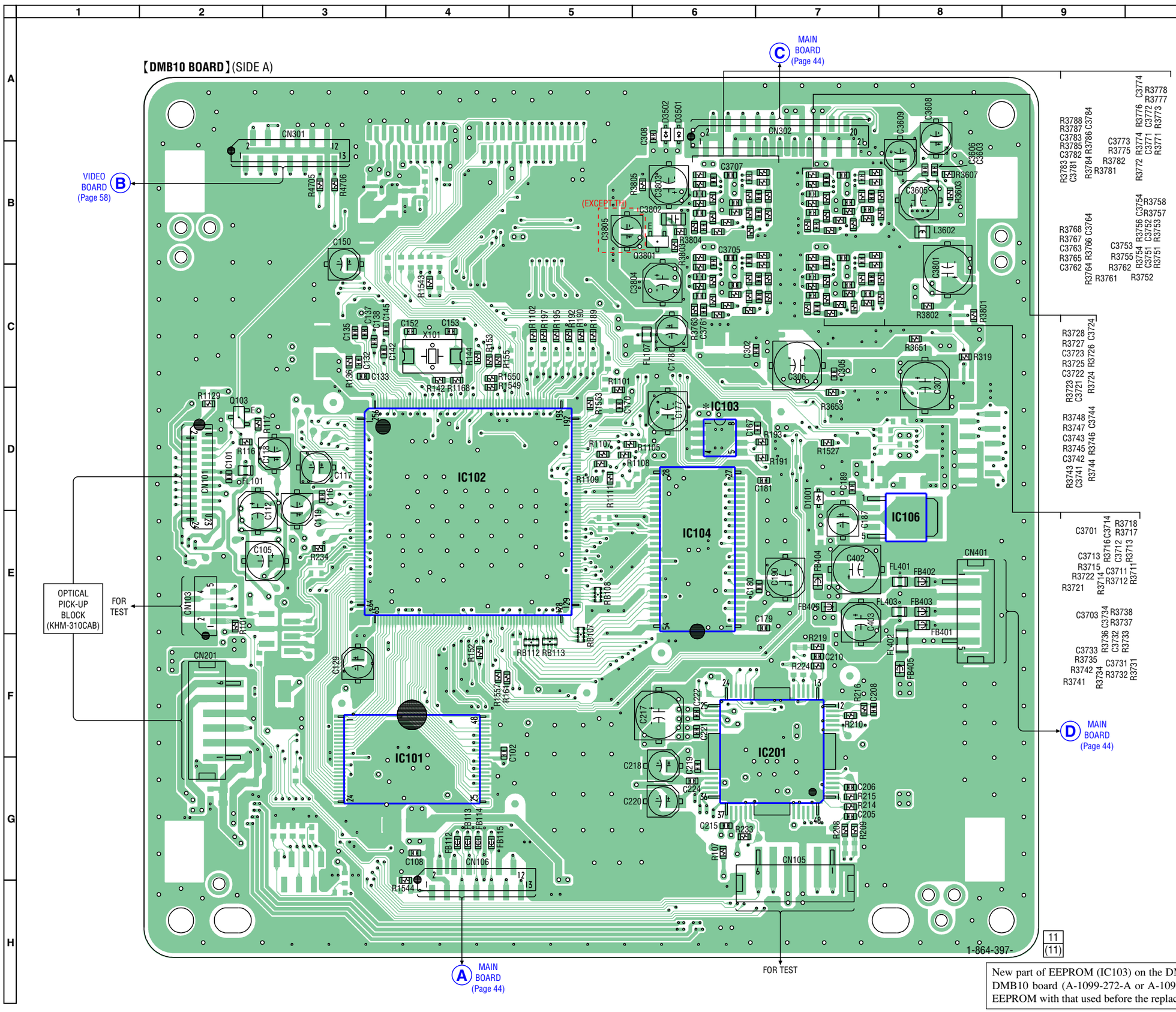
## 7-6. BLOCK DIAGRAM – DISPLAY/POWER SECTION –



## 7-7. PRINTED WIRING BOARD – DMB10 BOARD (SIDE A) –

• See page 29 for Circuit Boards Location.

:Uses unleaded solder.




- **Semiconductor Location**

| Ref. No. | Location |
|---|---|
| D1001 | D-7 |
| D3501 | A-6 |
| D3502 | A-6 |
| IC101 | G-4 |
| IC102 | D-4 |
| IC103 | D-6 |
| IC104 | E-6 |
| IC106 | E-8 |
| IC201 | F-7 |
| Q103 | D-2 |
| Q3801 | B-6 |

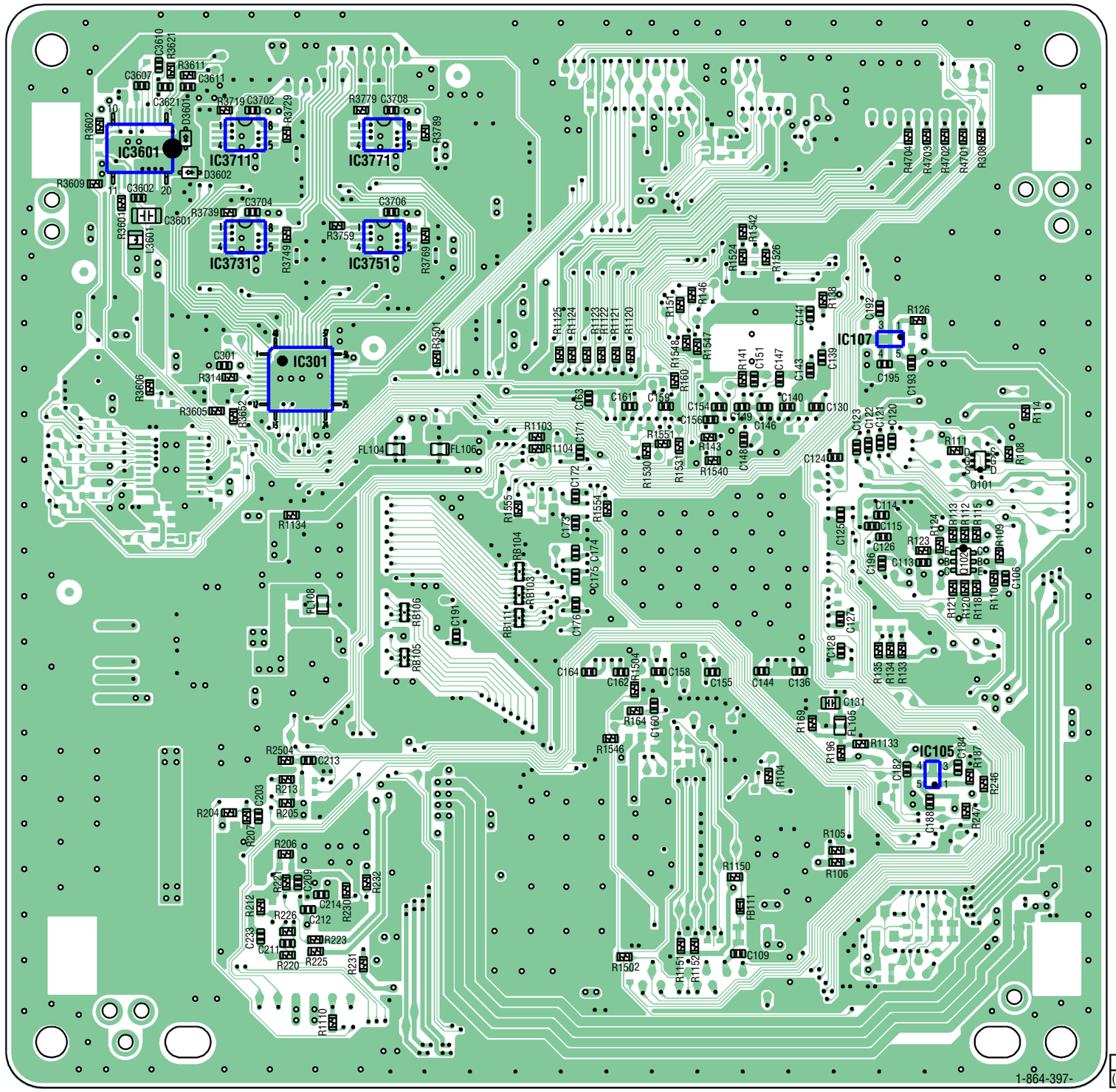
New part of EEPROM (IC103) on the DMB10 board can not be used. Therefore, if the mounted DMB10 board (A-1099-272-A or A-1099-344-A or A-1115-347-A) is replaced, exchange new EEPROM with that used before the replacement.

## 7-8. PRINTED WIRING BOARD – DMB10 BOARD (SIDE B) –

• See page 29 for Circuit Boards Location.

:Uses unleaded solder.

【DMB10 BOARD】(SIDE B)

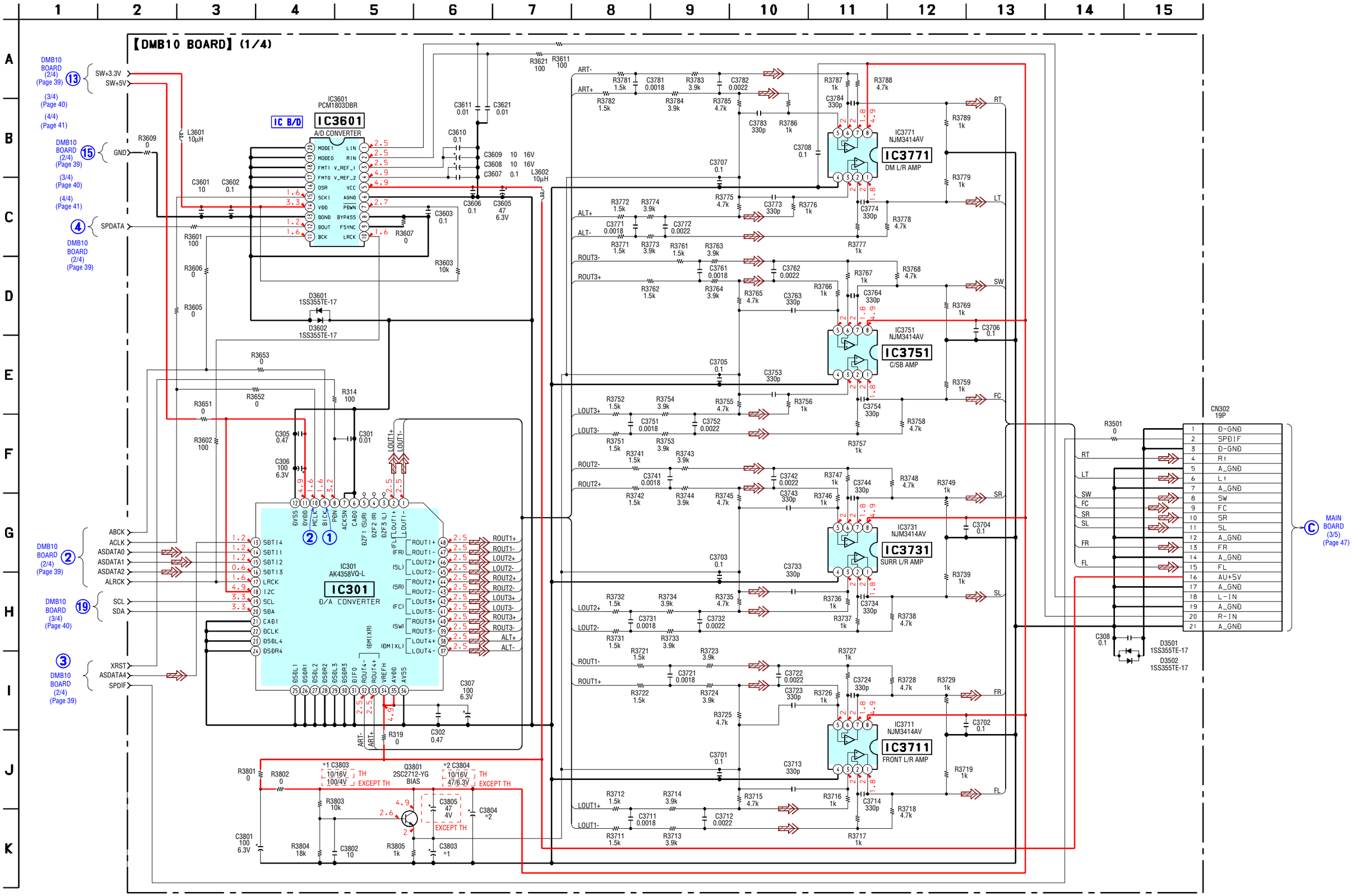



• **Semiconductor Location**

| Ref. No. | Location |
|---|---|
| D3601 | B-2 |
| D3602 | B-2 |
| | |
| IC105 | F-7 |
| IC107 | C-7 |
| IC301 | C-3 |
| IC3601 | B-2 |
| IC3711 | B-2 |
| IC3731 | C-2 |
| IC3751 | C-3 |
| IC3771 | B-3 |
| | |
| Q101 | D-7 |
| Q102 | E-7 |

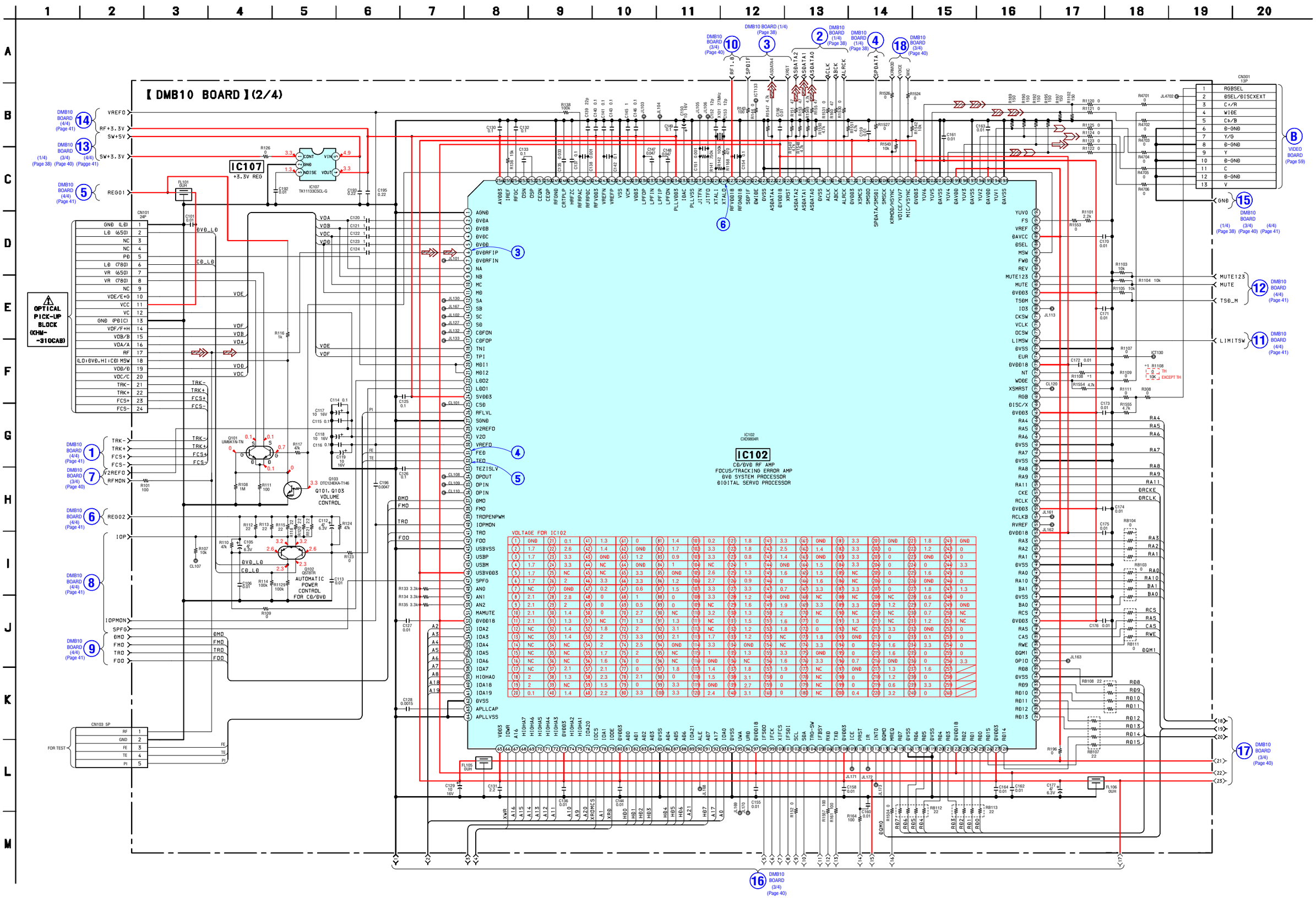
## 7-9. SCHEMATIC DIAGRAM – DMB10 BOARD (1/4) –

• See page 62 for Waveforms. • See page 64 for IC Block Diagrams.



## 7-10. SCHEMATIC DIAGRAM – DMB10 BOARD (2/4) –

• See page 62 for Waveforms.  • See page 65 for IC Pin Function Description.



## 7-11. SCHEMATIC DIAGRAM – DMB10 BOARD (3/4) –

【 DMB10 BOARD 】(3/4)

IC101
FLASH ROM

IC103
EEP ROM

IC104
SDRAM

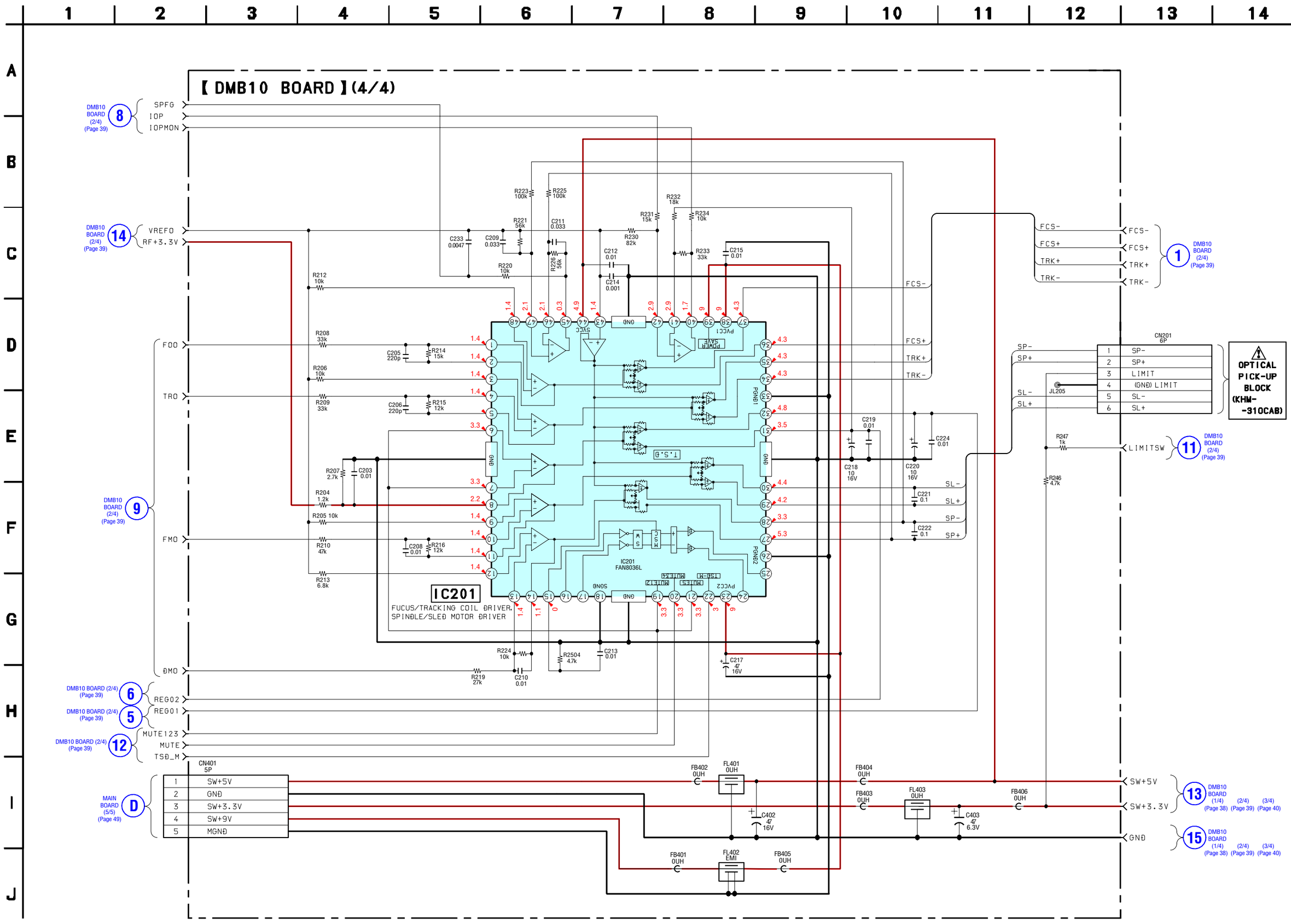
IC105
+3.3V REG

IC106
+1.8V REG

CN106 13P
CN105 6P

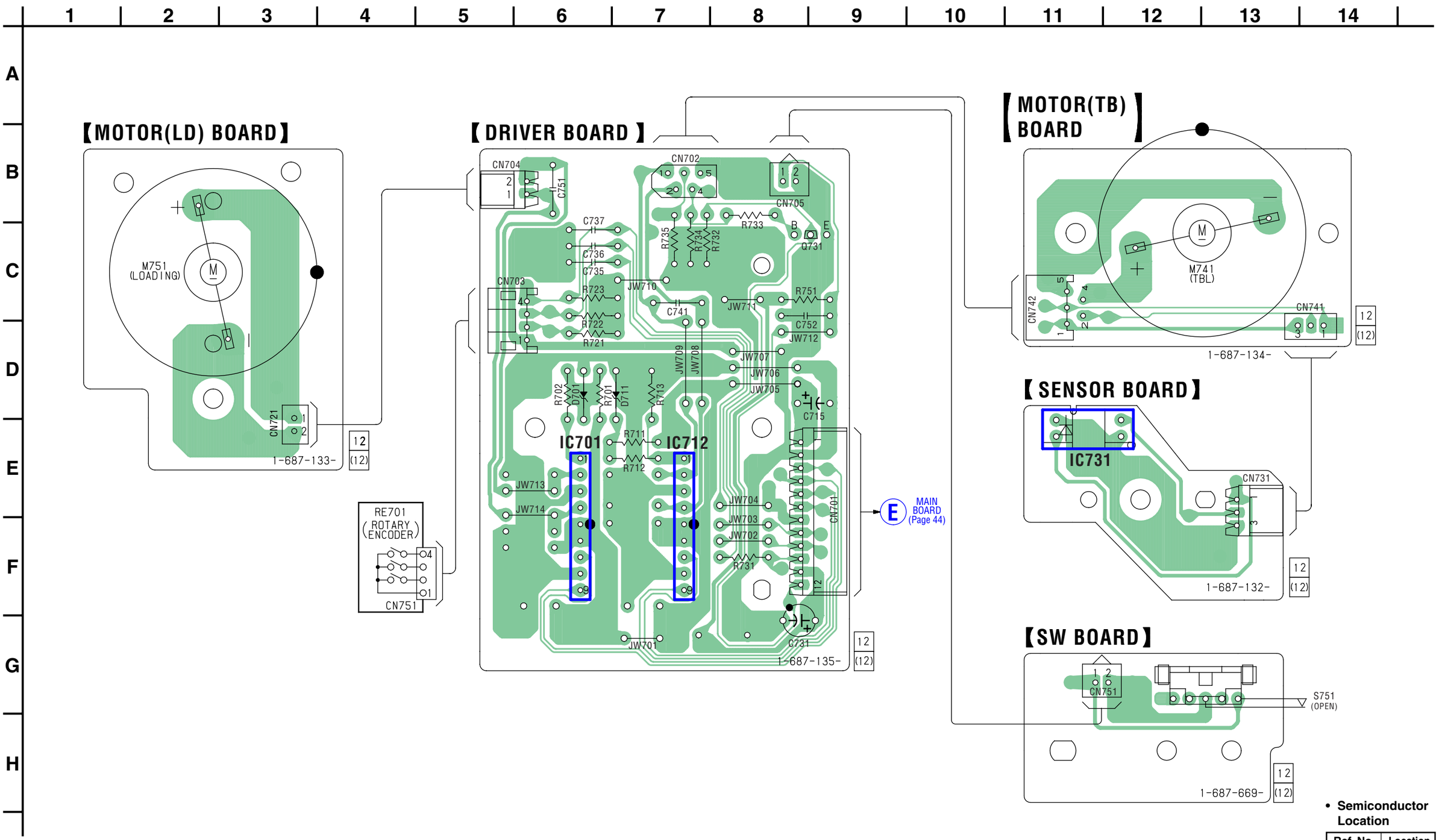
New part of EEPROM (IC103) on the DMB10 board can not be used. Therefore, if the mounted DMB10 board (A-1099-272-A or A-1099-344-A or A-1115-347-A) is replaced, exchange new EEPROM with that used before the replacement.

## 7-12. SCHEMATIC DIAGRAM – DMB10 BOARD (4/4) –



## 7-13. PRINTED WIRING BOARDS – CD MECHANISM BOARDS –

• See page 29 for Circuit Boards Location. :Uses unleaded solder.

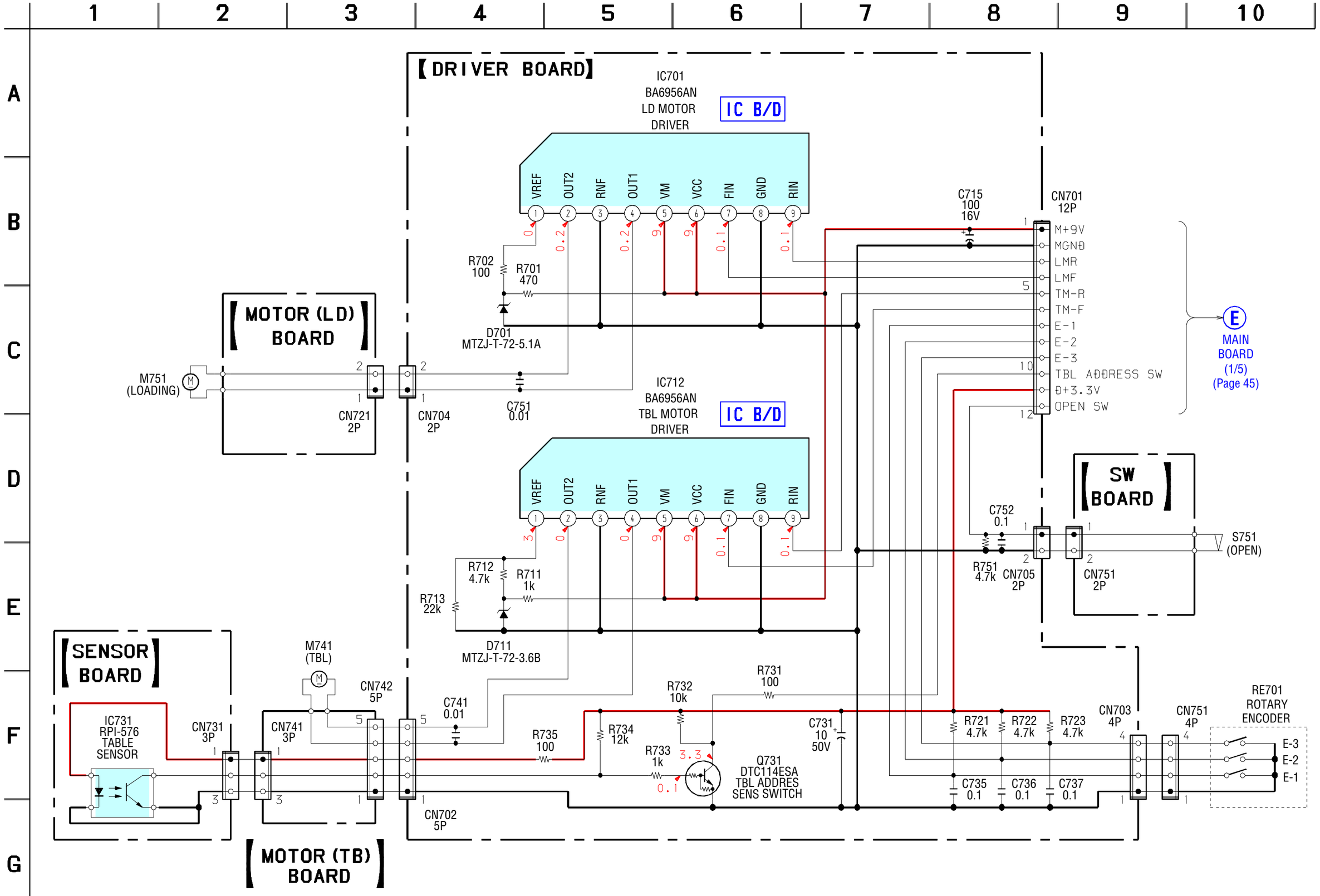



- **Semiconductor Location**

| Ref. No. | Location |
|---|---|
| D701 | D-6 |
| D711 | D-7 |
| IC701 | E-6 |
| IC712 | E-7 |
| IC731 | E-11 |
| Q731 | C-9 |

## 7-14. SCHEMATIC DIAGRAM – CD MECHANISM BOARDS –

• See page 63 for IC Block Diagrams.



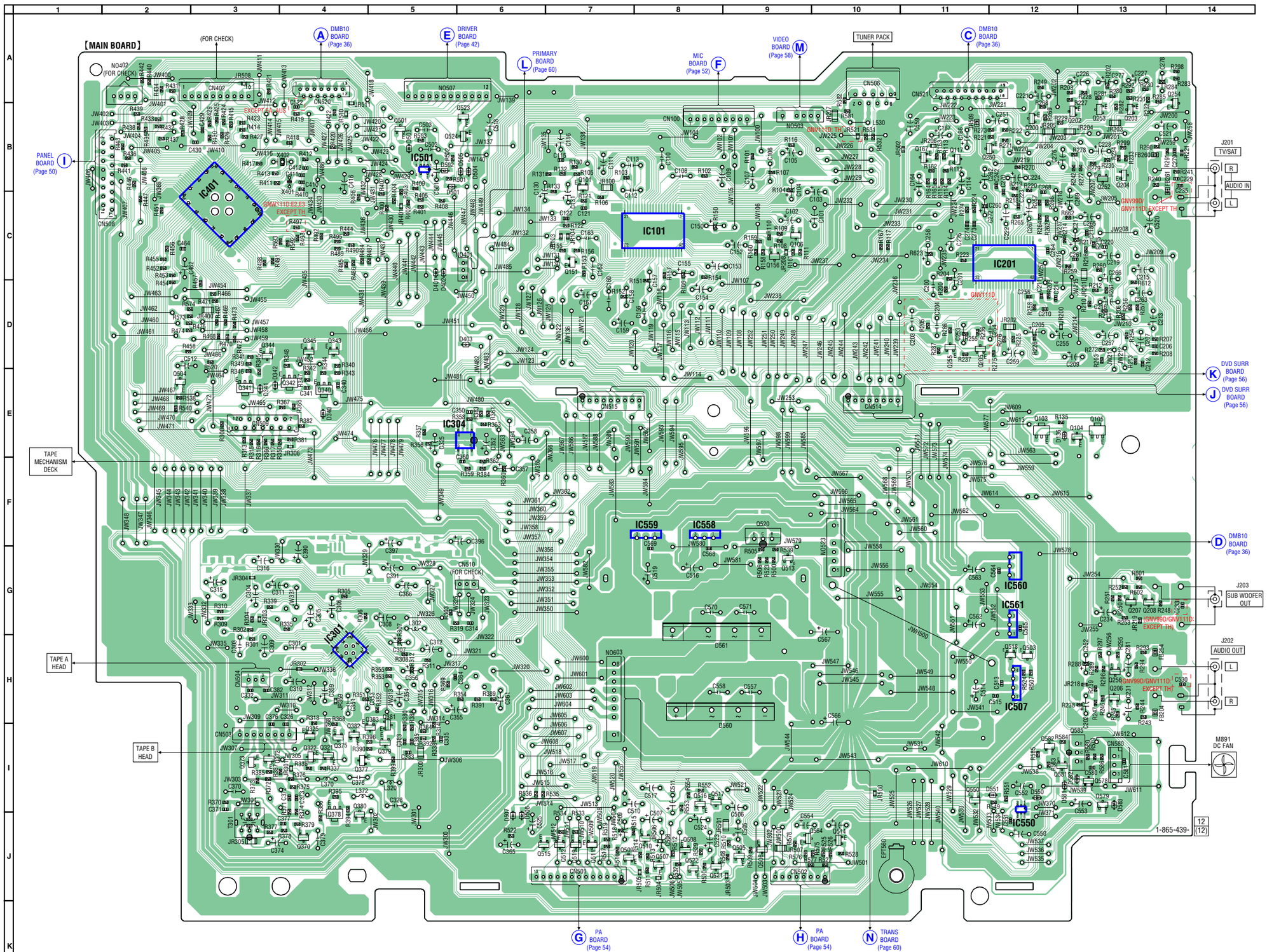
# HCD-GNV99D/GNV111D

Ver 1.1

## 7-15. PRINTED WIRING BOARD – MAIN BOARD –

• See page 29 for Circuit Boards Location.

:Uses unleaded solder.

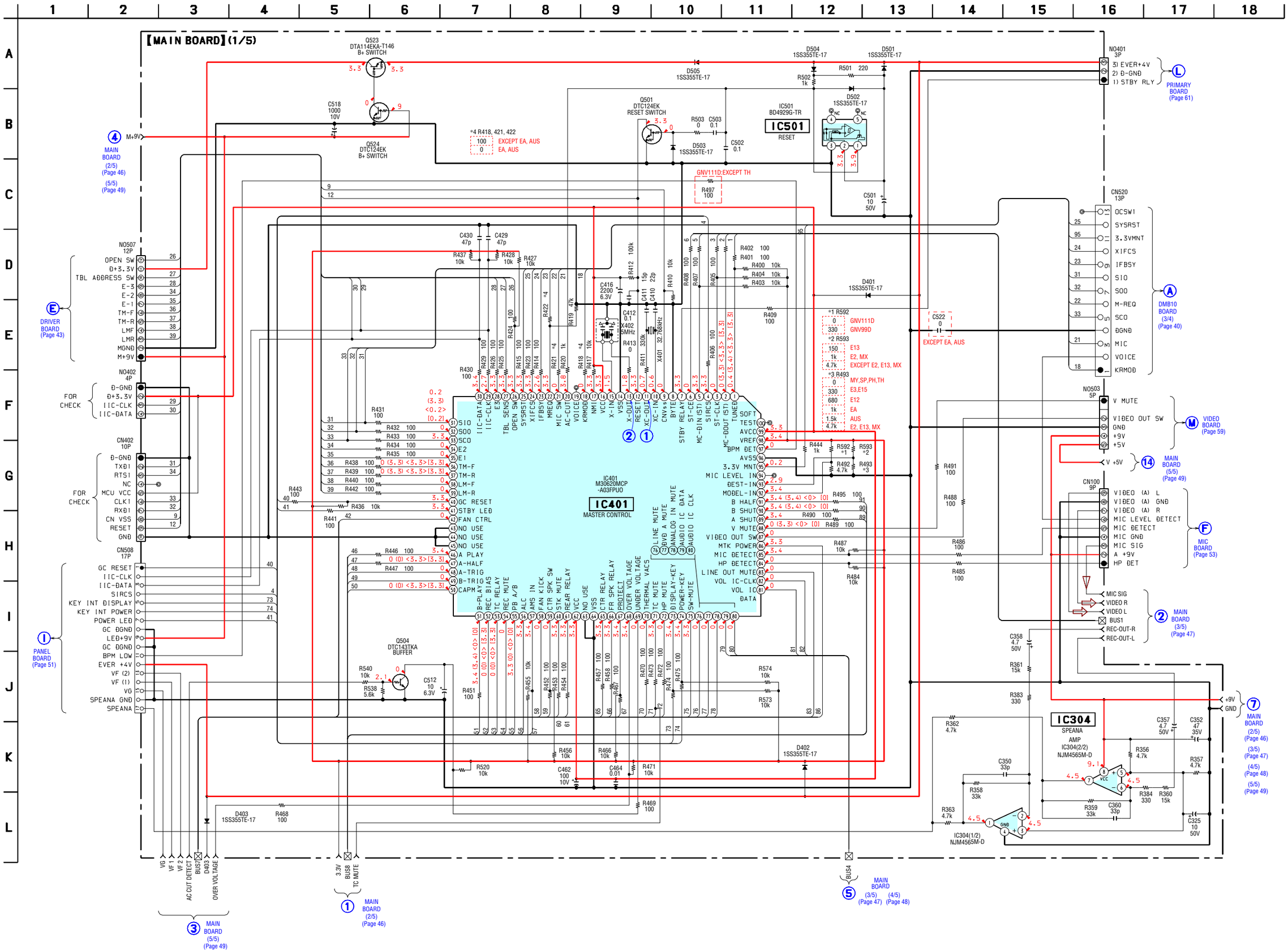



- **Semiconductor Location**

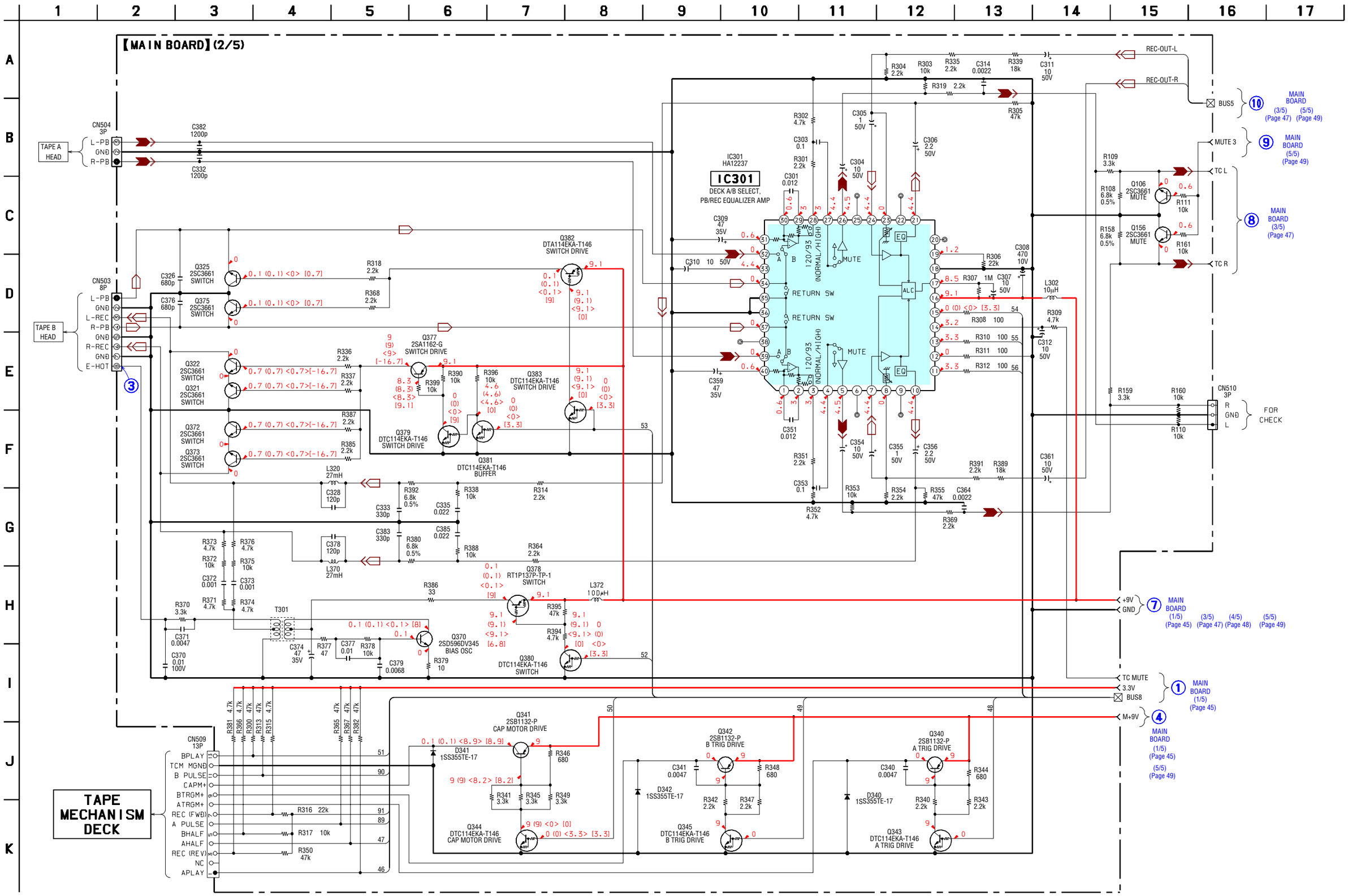
| Ref. No. | Location | Ref. No. | Location |
|---|---|---|---|
| D136 | E-12 | Q253 | B-13 |
| D340 | E-4 | Q254 | A-14 |
| D341 | E-3 | Q255 | D-11 |
| D342 | E-3 | Q256 | H-13 |
| D401 | D-5 | Q321 | I-4 |
| D402 | D-5 | Q322 | I-4 |
| D403 | D-6 | Q325 | I-4 |
| D501 | C-5 | Q340 | E-4 |
| D502 | B-5 | Q341 | E-3 |
| D503 | B-5 | Q342 | E-4 |
| D504 | B-6 | Q343 | D-4 |
| D505 | B-6 | Q344 | D-3 |
| D506 | J-6 | Q345 | D-4 |
| D507 | J-6 | Q370 | J-4 |
| D550 | I-12 | Q372 | I-3 |
| D551 | I-12 | Q373 | I-3 |
| D560 | I-9 | Q375 | I-4 |
| D561 | H-8 | Q377 | I-4 |
| D581 | I-12 | Q378 | J-4 |
| D582 | I-12 | Q379 | I-5 |
| D583 | I-13 | Q380 | I-4 |
| | | Q381 | H-5 |
| IC101 | C-8 | Q382 | I-4 |
| IC201 | C-12 | Q383 | H-5 |
| IC301 | H-4 | Q501 | B-5 |
| IC304 | E-6 | Q503 | H-12 |
| IC401 | B-3 | Q504 | E-2 |
| IC501 | B-5 | Q505 | J-9 |
| IC507 | H-12 | Q506 | J-9 |
| IC550 | J-12 | Q507 | J-8 |
| IC558 | F-8 | Q508 | J-8 |
| IC559 | F-8 | Q509 | J-7 |
| IC560 | G-12 | Q510 | J-10 |
| IC561 | G-12 | Q511 | J-7 |
| | | Q512 | J-7 |
| Q101 | B-7 | Q513 | G-9 |
| Q103 | E-12 | Q514 | J-10 |
| Q104 | E-12 | Q515 | J-6 |
| Q105 | E-13 | Q516 | I-8 |
| Q106 | C-9 | Q517 | I-8 |
| Q117 | B-11 | Q518 | H-12 |
| Q151 | C-7 | Q519 | J-7 |
| Q156 | C-9 | Q520 | F-9 |
| Q167 | B-11 | Q521 | J-8 |
| Q200 | B-12 | Q522 | J-8 |
| Q202 | B-12 | Q523 | B-6 |
| Q203 | B-13 | Q524 | B-5 |
| Q204 | B-13 | Q550 | I-11 |
| Q205 | D-11 | Q564 | J-10 |
| Q206 | H-13 | Q578 | I-13 |
| Q207 | G-13 | Q579 | I-13 |
| Q208 | G-13 | Q581 | I-12 |
| Q250 | B-12 | Q582 | I-12 |
| Q252 | B-13 | Q585 | I-1 |

## 7-16. SCHEMATIC DIAGRAM – MAIN BOARD (1/5) –

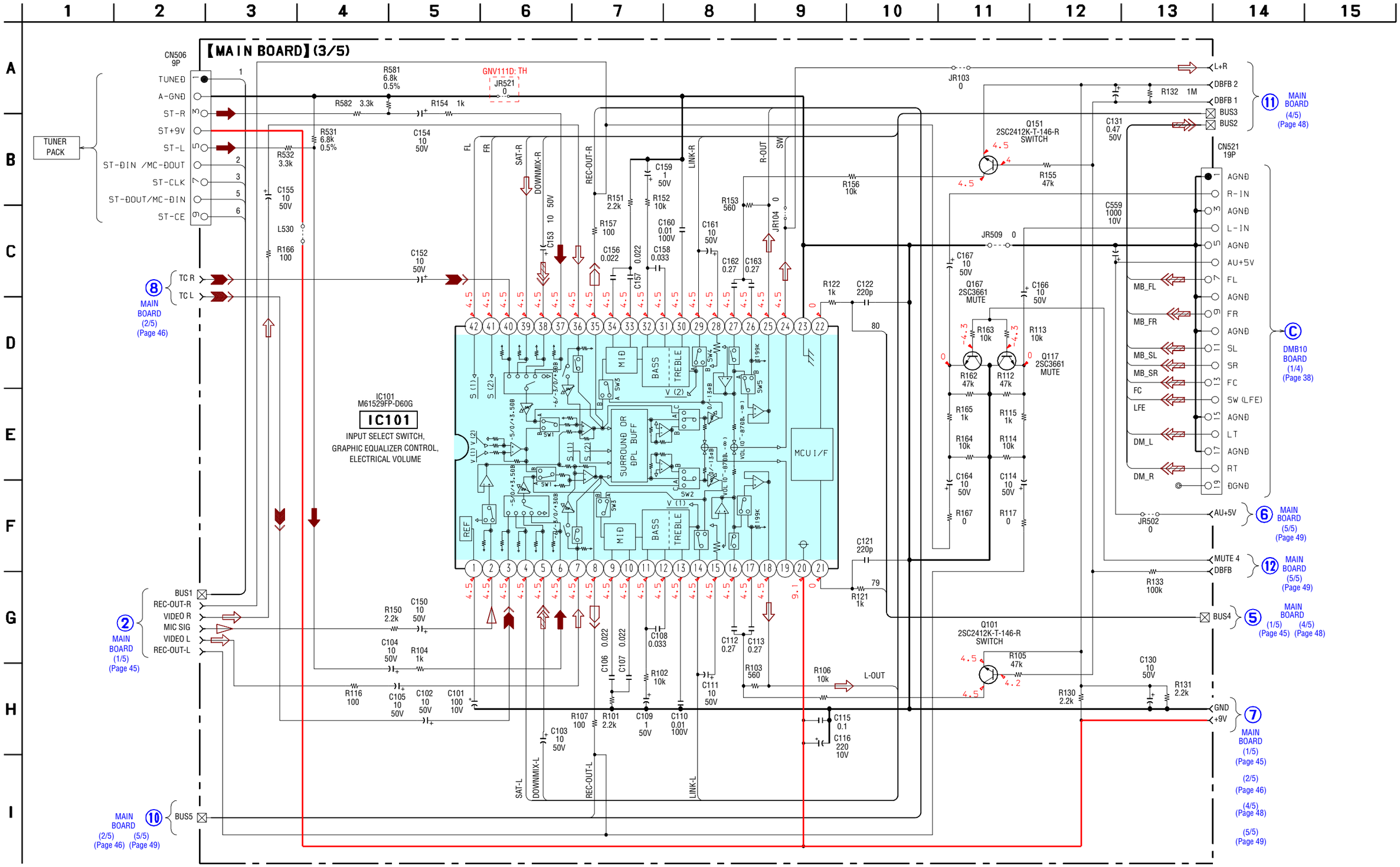
• See page 70 for IC Pin Function Description.  • See page 62 for Waveform.



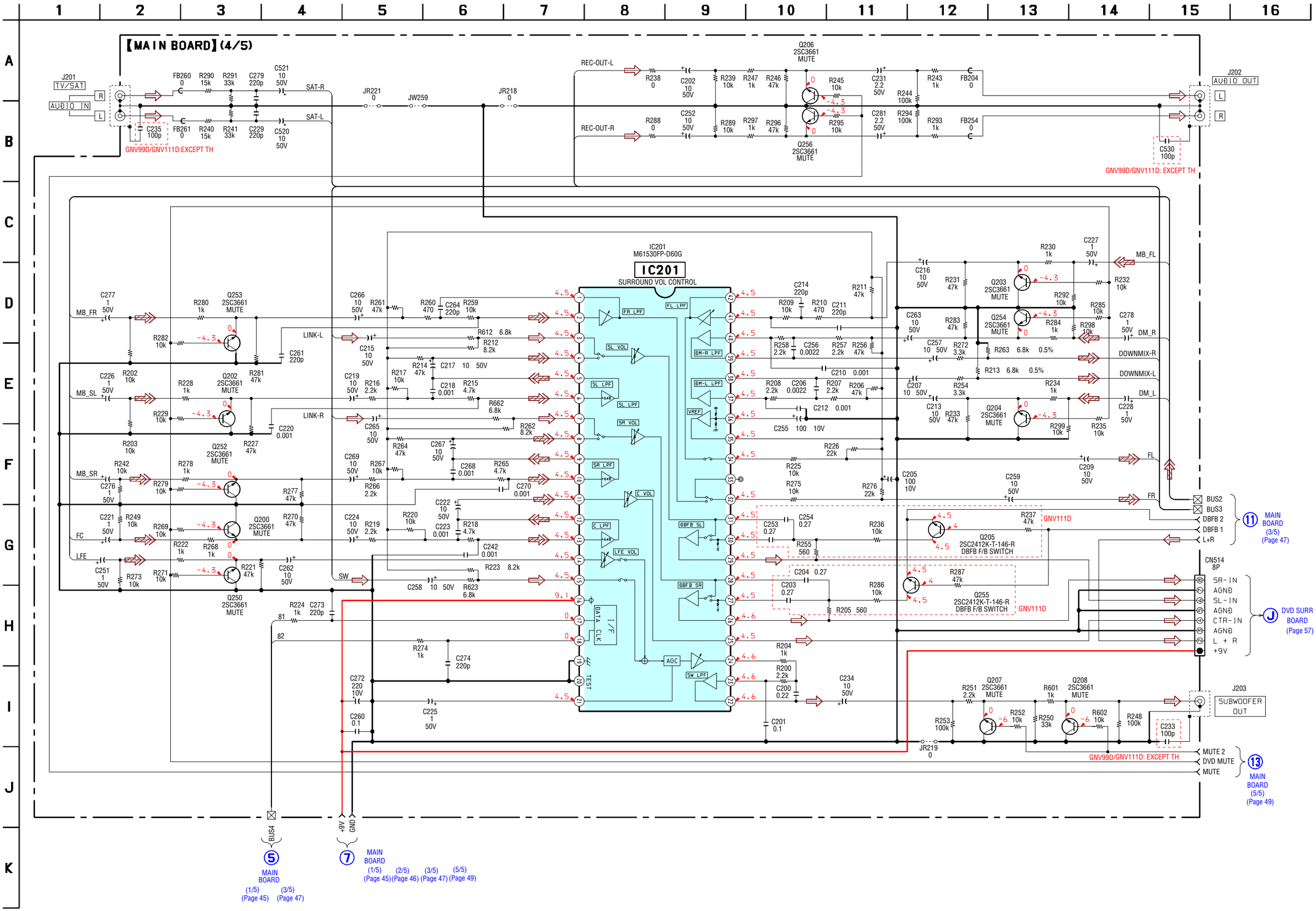
## 7-17. SCHEMATIC DIAGRAM – MAIN BOARD (2/5) –



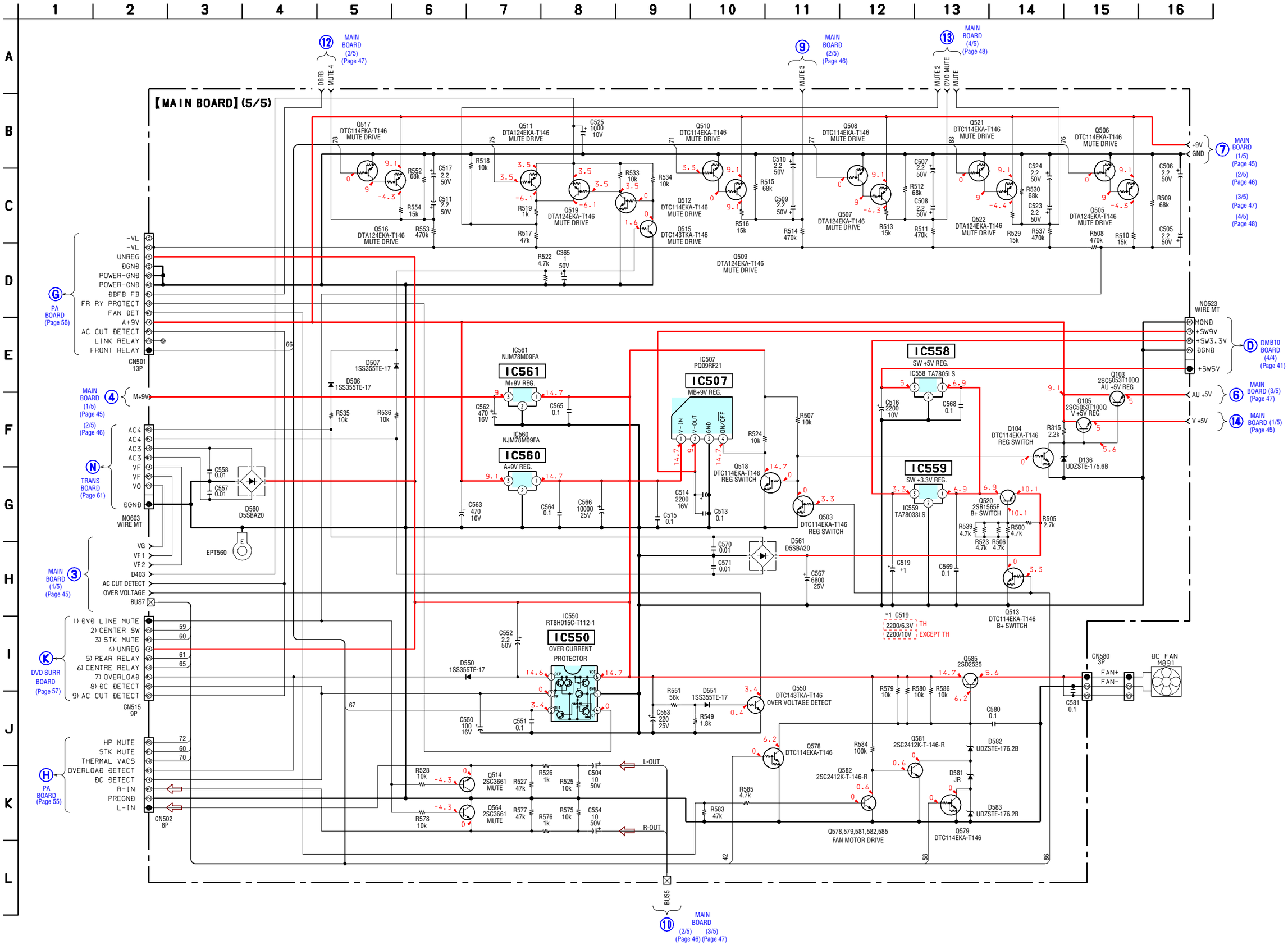
## 7-18. SCHEMATIC DIAGRAM – MAIN BOARD (3/5) –



## 7-19. SCHEMATIC DIAGRAM – MAIN BOARD (4/5) –

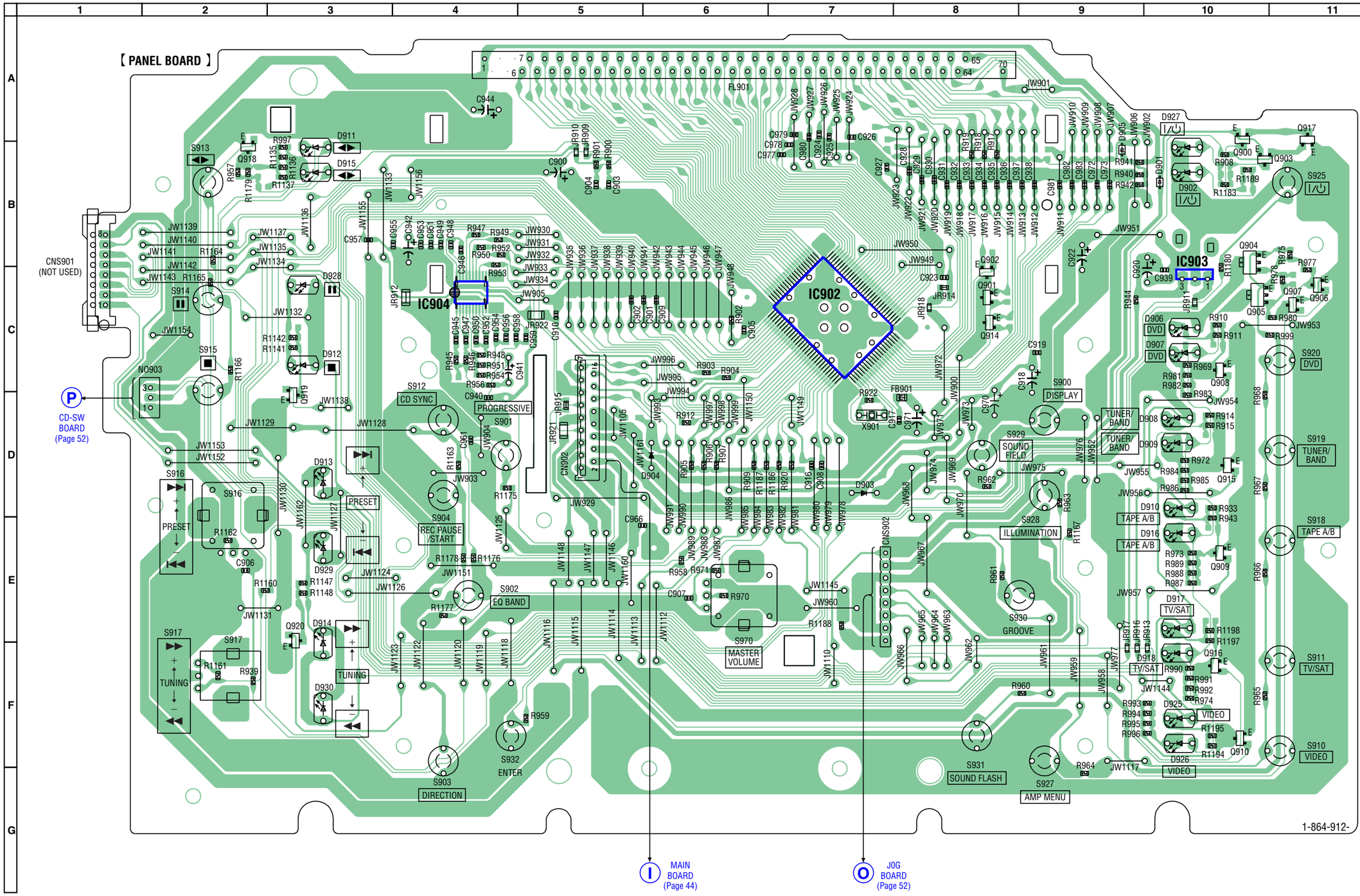


## 7-20. SCHEMATIC DIAGRAM – MAIN BOARD (5/5) –



## 7-21. PRINTED WIRING BOARD – PANEL BOARD –

• See page 29 for Circuit Boards Location. :Uses unleaded solder.

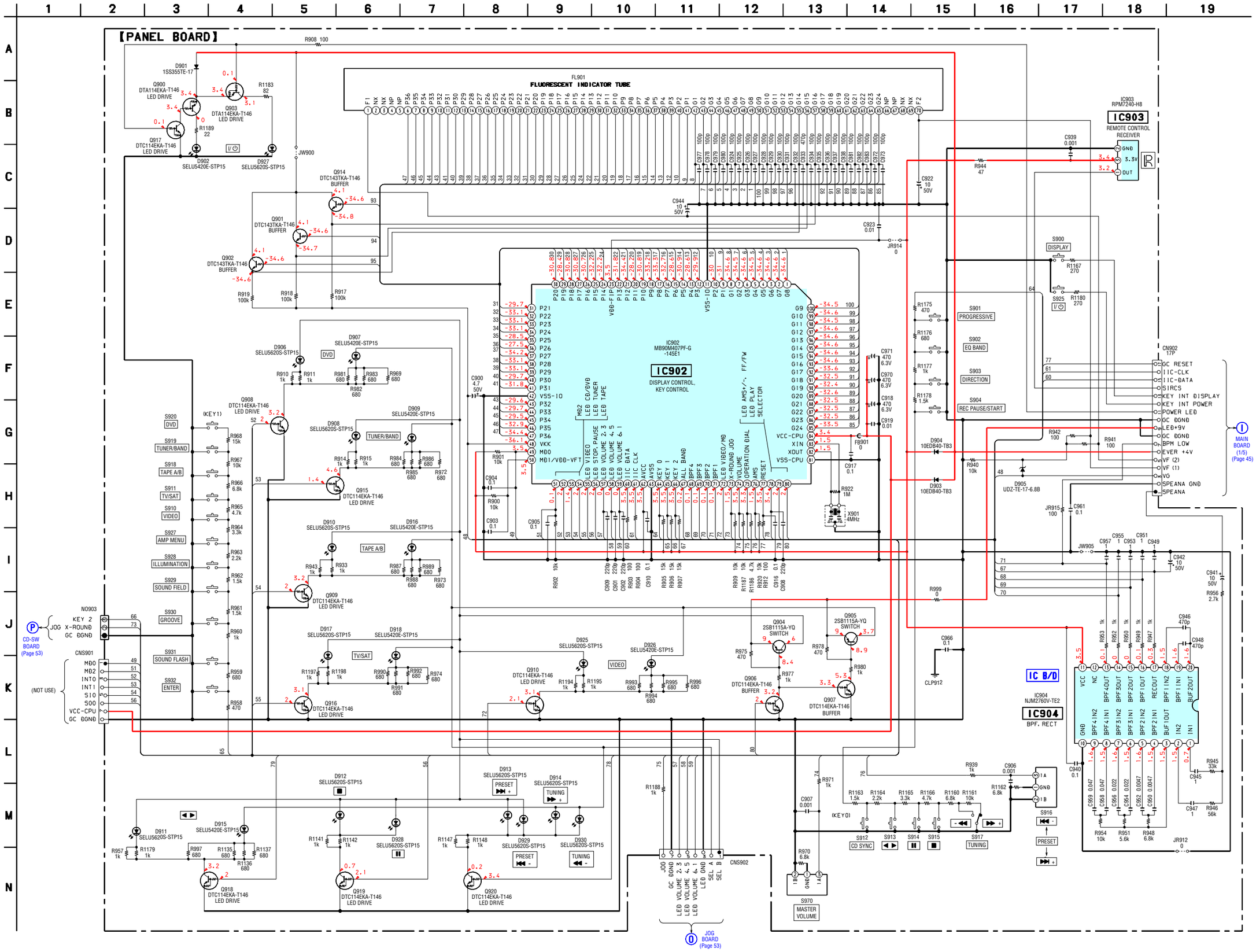



- **Semiconductor Location**

| Ref. No. | Location |
|---|---|
| D901 | B-10 |
| D902 | B-10 |
| D903 | D-7 |
| D904 | D-6 |
| D905 | A-9 |
| D906 | C-10 |
| D907 | C-10 |
| D908 | D-10 |
| D909 | D-10 |
| D910 | D-10 |
| D911 | A-3 |
| D912 | C-3 |
| D913 | D-3 |
| D914 | E-3 |
| D915 | B-3 |
| D916 | E-10 |
| D917 | E-10 |
| D918 | F-10 |
| D925 | F-10 |
| D926 | F-10 |
| D927 | A-10 |
| D928 | C-3 |
| D929 | E-3 |
| D930 | F-3 |
| IC902 | C-7 |
| IC903 | B-10 |
| IC904 | C-4 |
| Q900 | B-10 |
| Q901 | V-8 |
| Q902 | B-8 |
| Q903 | B-11 |
| Q904 | B-10 |
| Q905 | C-10 |
| Q906 | C-11 |
| Q907 | C-11 |
| Q908 | C-10 |
| Q909 | E-10 |
| Q910 | F-10 |
| Q914 | C-8 |
| Q915 | D-10 |
| Q916 | F-10 |
| Q917 | A-11 |
| Q918 | B-2 |
| Q919 | D-3 |
| Q920 | E-3 |

## 7-22. SCHEMATIC DIAGRAM – PANEL BOARD –

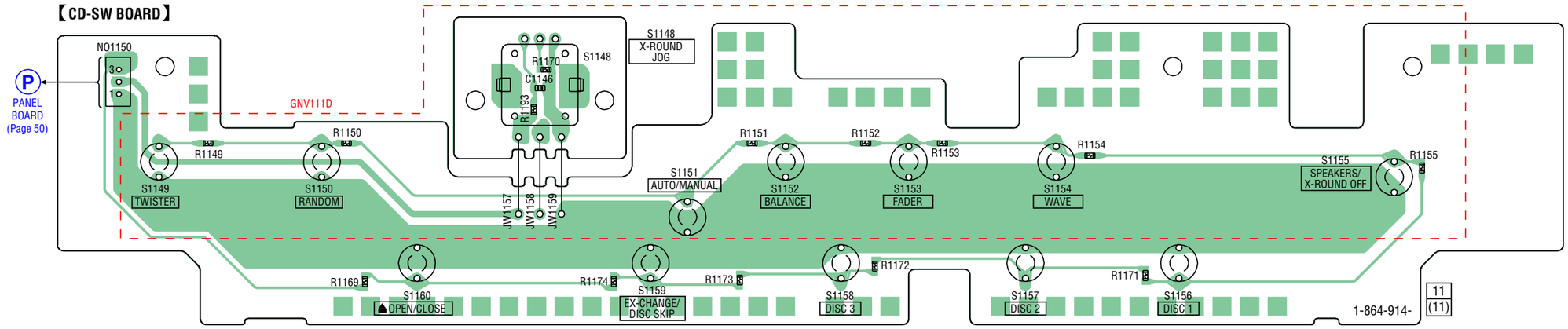
• See page 72 for IC Pin Function Description.  • See page 64 for IC Block Diagrams.



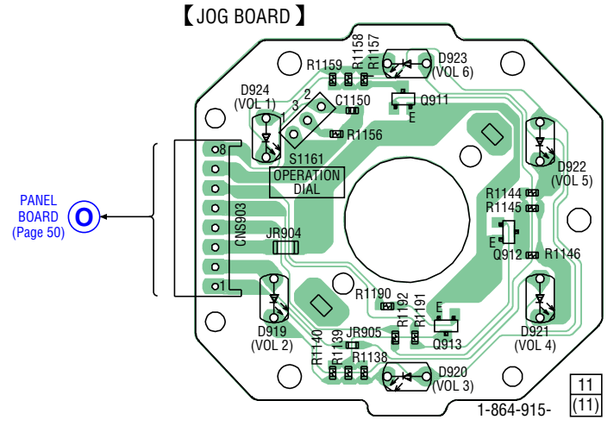
## 7-23. PRINTED WIRING BOARDS – CD-SW, JOG AND MIC BOARDS –

• See page 29 for Circuit Boards Location. :Uses unleaded solder.

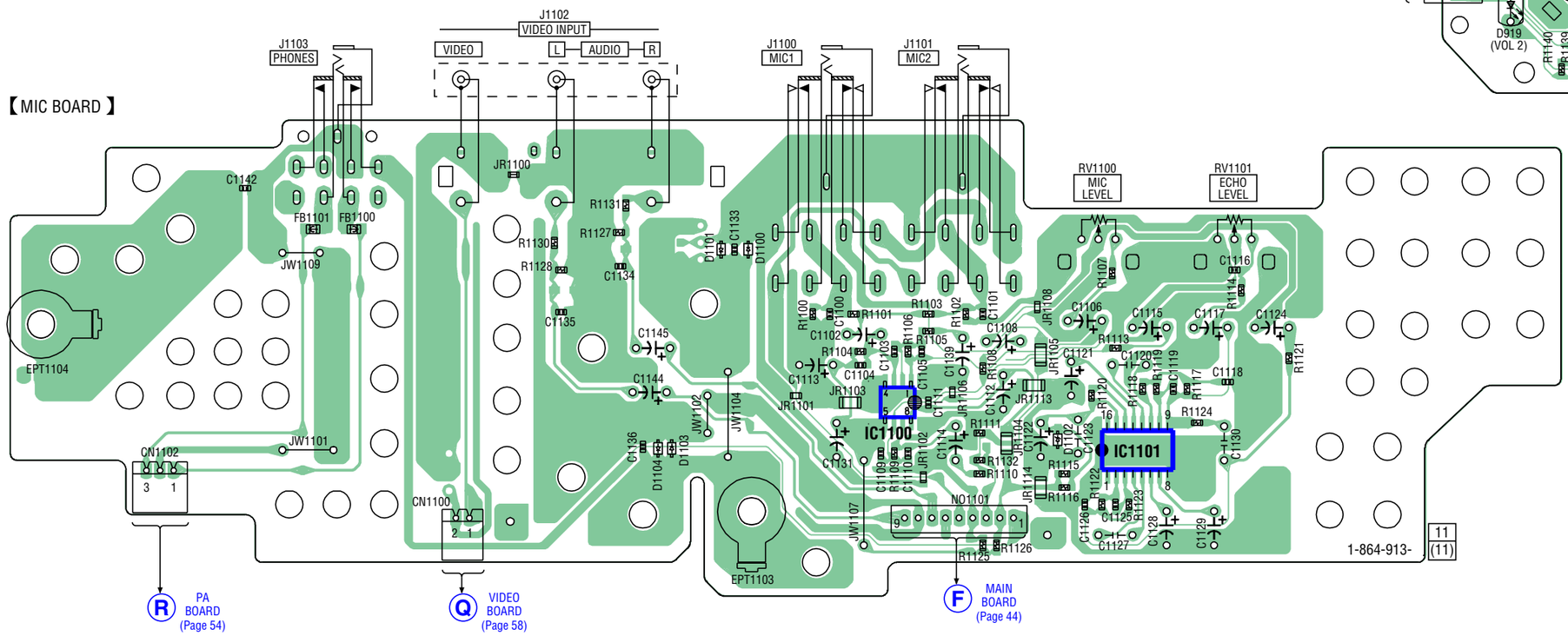
【CD-SW BOARD】




【JOG BOARD】




【MIC BOARD】




R PA BOARD (Page 54)

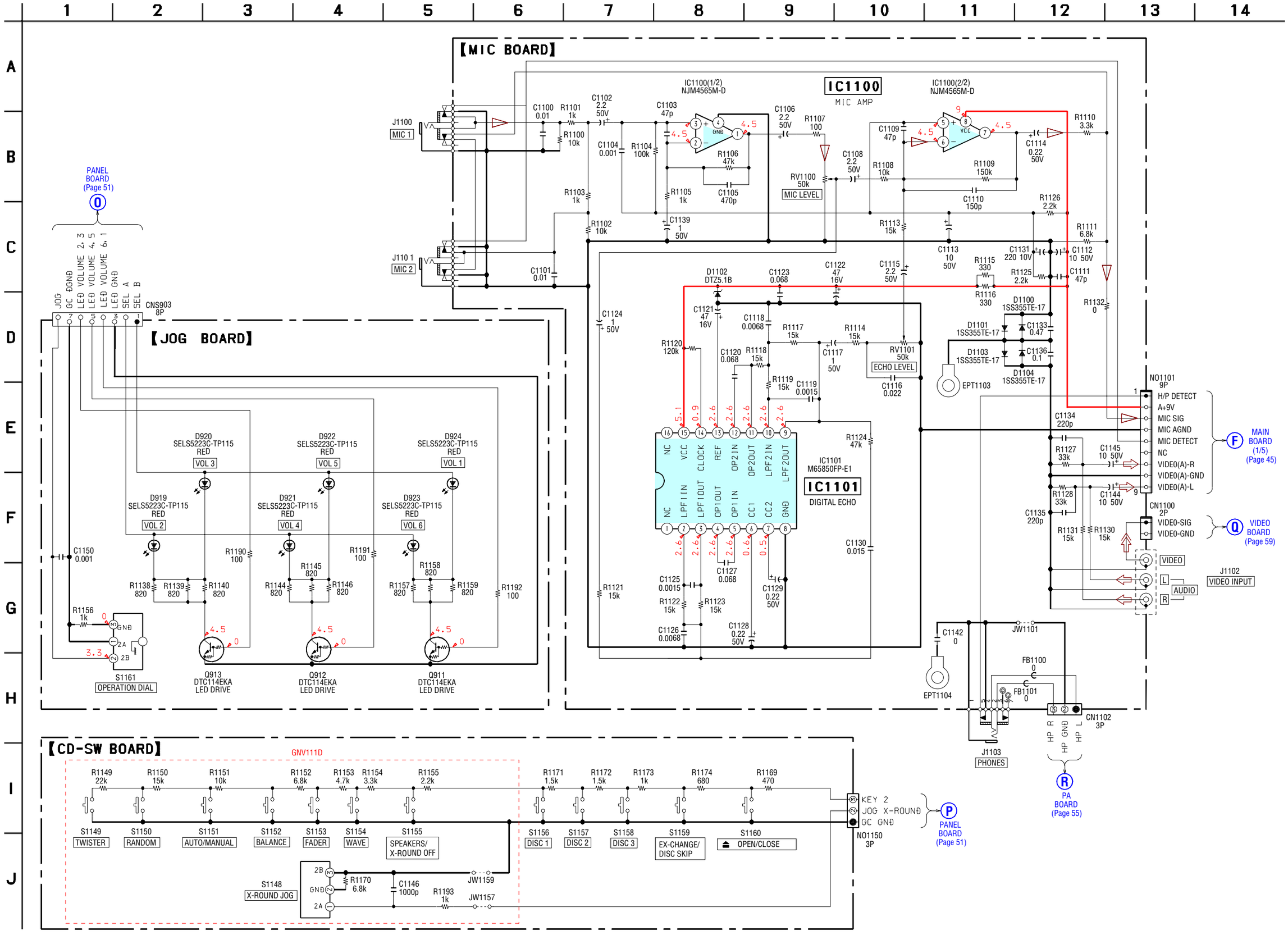
Q VIDEO BOARD (Page 58)

F MAIN BOARD (Page 44)

- **Semiconductor Location**

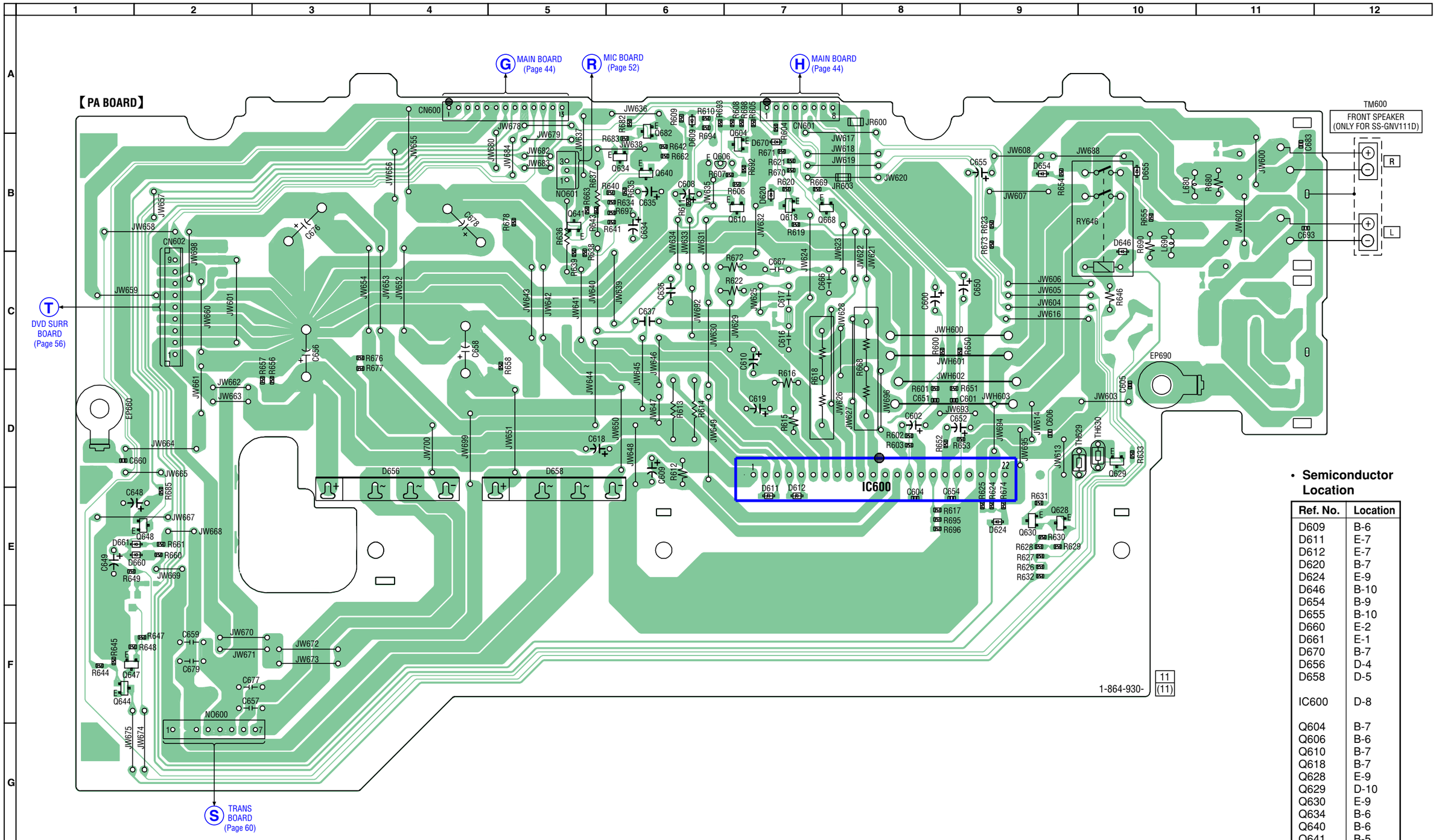
| Ref. No. | Location |
|---|---|
| D919 | E-11 |
| D920 | E-11 |
| D921 | E-12 |
| D922 | D-12 |
| D923 | C-11 |
| D924 | C-10 |
| D1100 | F-6 |
| D1101 | F-6 |
| D1102 | G-8 |
| D1103 | G-6 |
| D1104 | G-6 |
| IC1100 | G-7 |
| IC1101 | G-8 |
| Q911 | C-11 |
| Q912 | D-12 |
| Q913 | E-11 |

## 7-24. SCHEMATIC DIAGRAM – CD-SW, JOG AND MIC BOARDS –



## 7-25. PRINTED WIRING BOARD – PA BOARD –

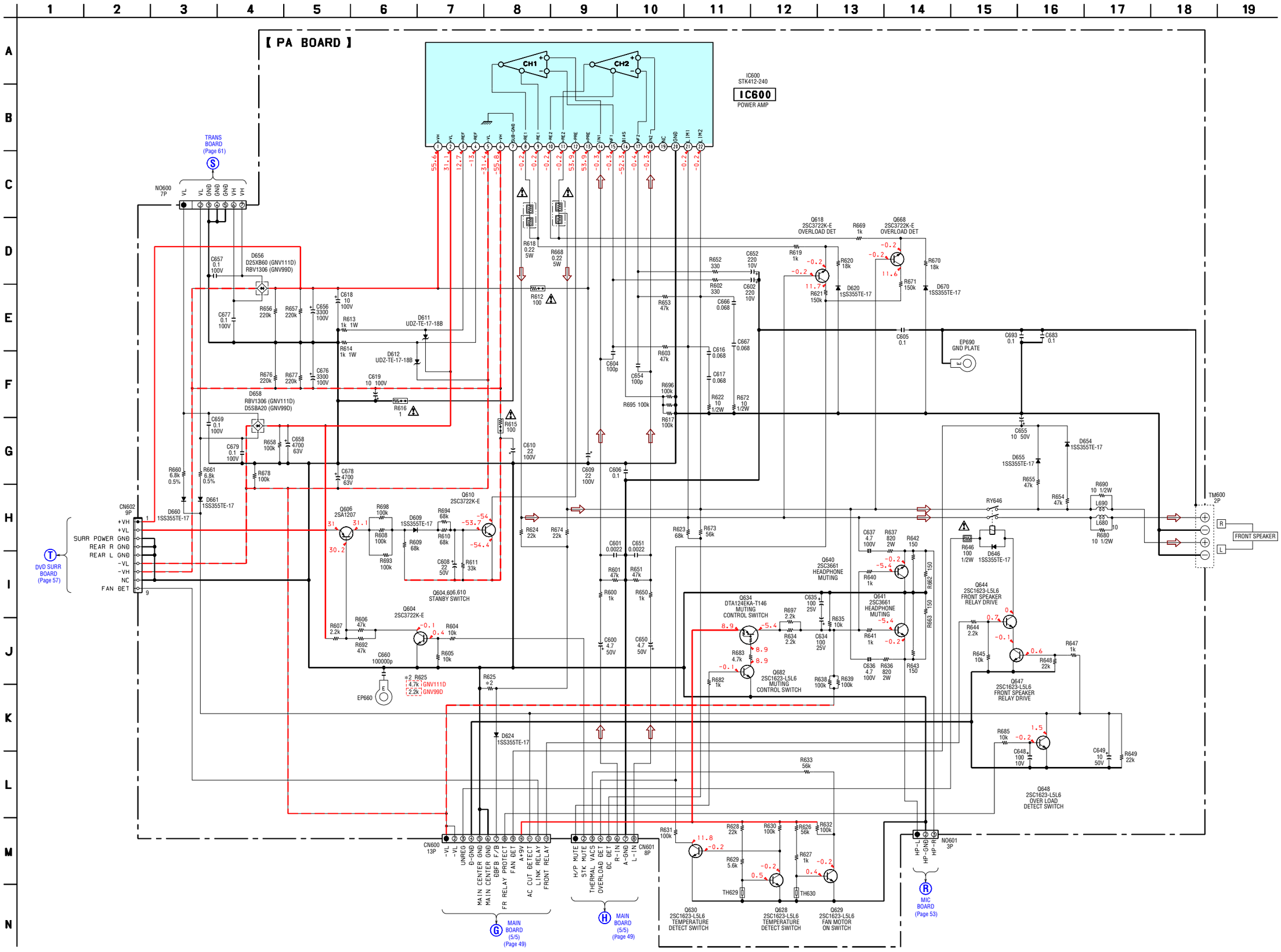
• See page 29 for Circuit Boards Location. :Uses unleaded solder.




- **Semiconductor Location**

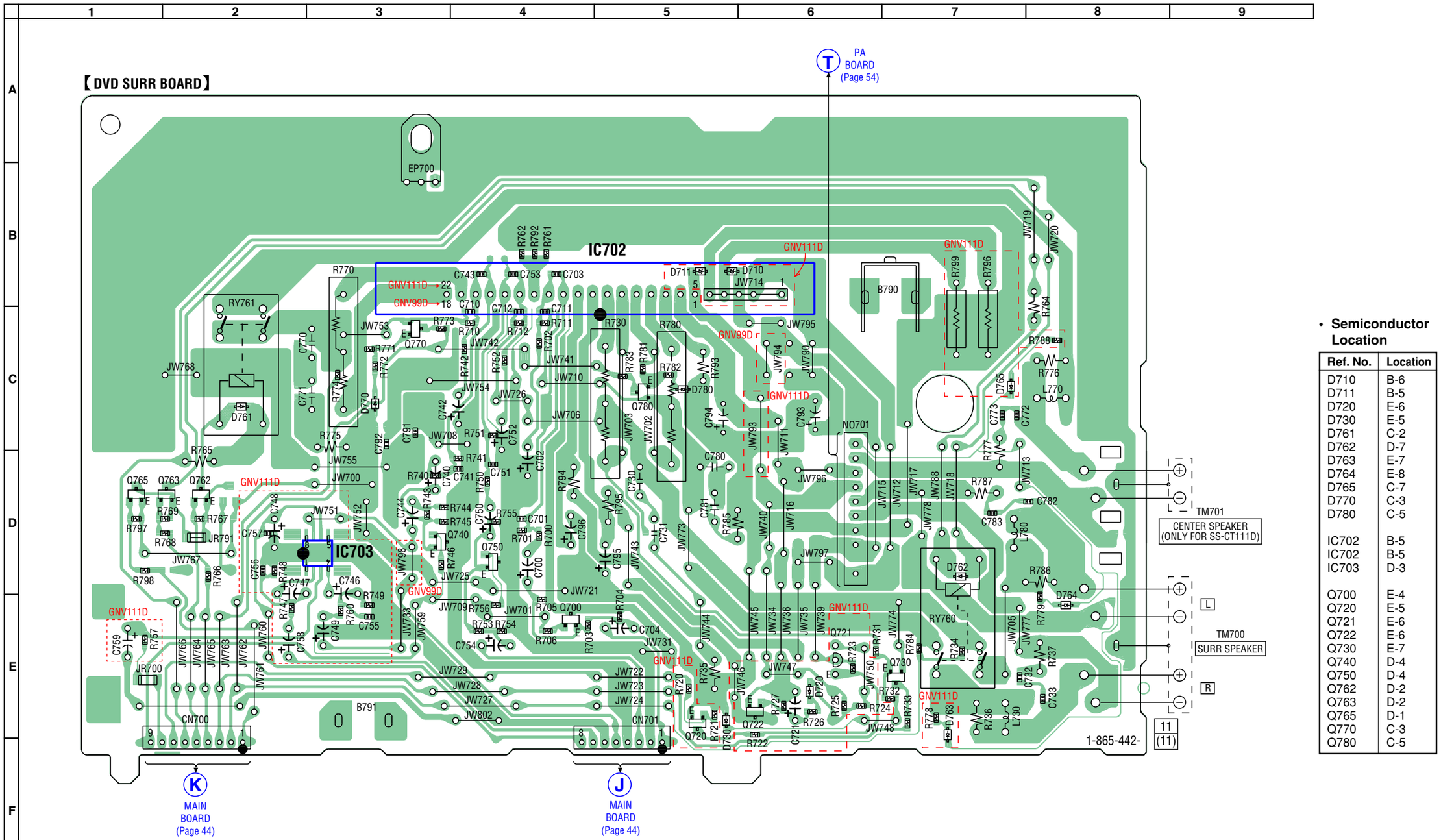
| Ref. No. | Location |
|---|---|
| D609 | B-6 |
| D611 | E-7 |
| D612 | E-7 |
| D620 | B-7 |
| D624 | E-9 |
| D646 | B-10 |
| D654 | B-9 |
| D655 | B-10 |
| D660 | E-2 |
| D661 | E-1 |
| D670 | B-7 |
| D656 | D-4 |
| D658 | D-5 |
| IC600 | D-8 |
| Q604 | B-7 |
| Q606 | B-6 |
| Q610 | B-7 |
| Q618 | B-7 |
| Q628 | E-9 |
| Q629 | D-10 |
| Q630 | E-9 |
| Q634 | B-6 |
| Q640 | B-6 |
| Q641 | B-5 |
| Q644 | F-1 |
| Q647 | F-1 |
| Q648 | E-2 |
| Q668 | B-7 |
| Q682 | A-6 |

## 7-26. SCHEMATIC DIAGRAM – PA BOARD –

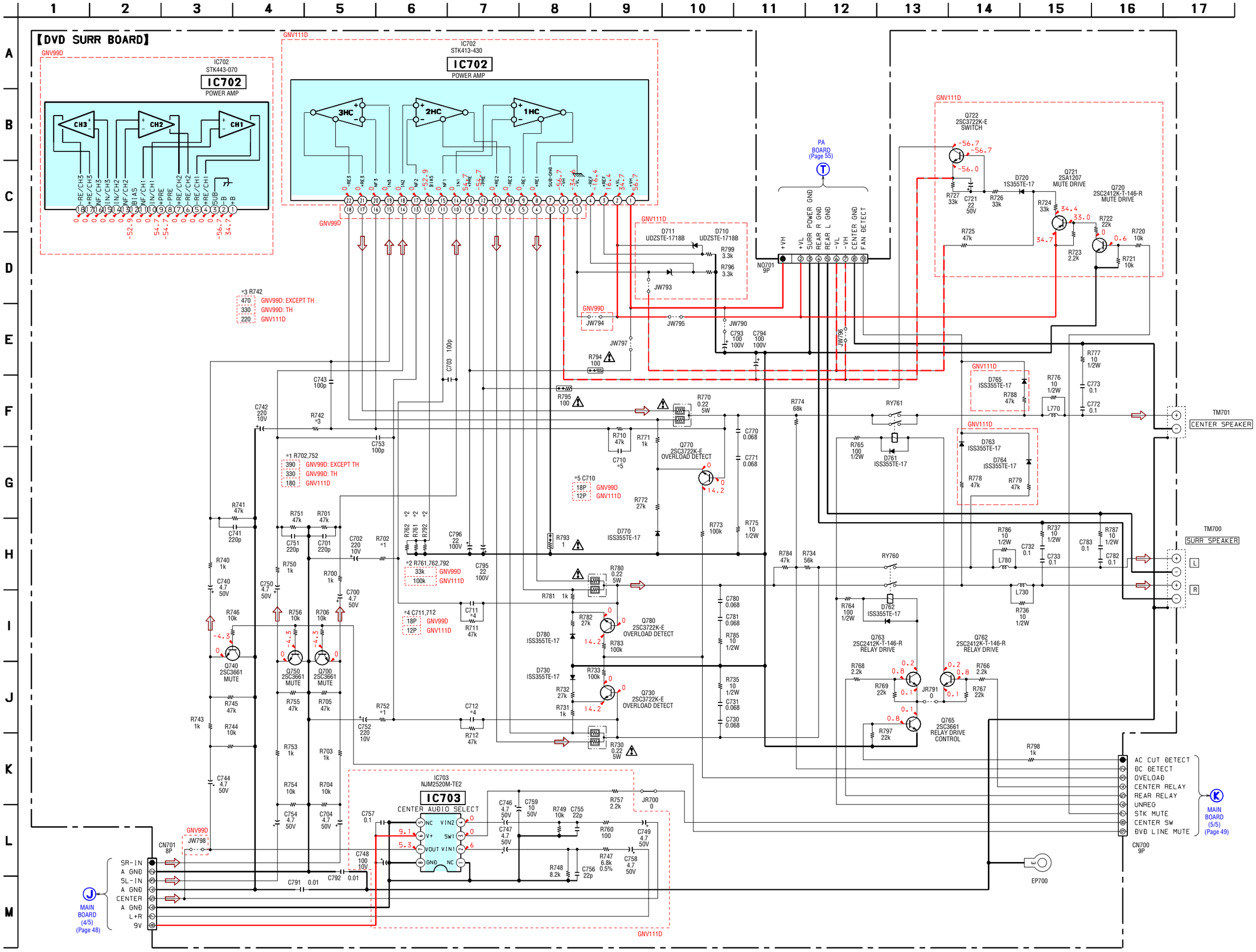


## 7-27. PRINTED WIRING BOARD – DVD SURR BOARD –

• See page 29 for Circuit Boards Location. :Uses unleaded solder.


【DVD SURR BOARD】
PA BOARD (Page 54)
IC702
IC703
GNV111D
GNV99D
EP700
RY761
D761
JW768
R770
C743
C753
C703
D711
D710
JW714
B790
R799
R796
JW719
JW720
R764
R788
R776
L770
D765
C773
C772
R777
JW713
C782
C783
L780
R787
JW796
JW795
JW790
JW794
NO701
TM701
CENTER SPEAKER (ONLY FOR SS-CT111D)
TM700
SURR SPEAKER
D762
R786
D764
R779
JW705
JW777
R737
G732
C733
L730
R736
D763
R778
RY760
JW747
JW746
JW748
Q722
Q720
Q730
Q721
JW774
JW745
JW734
JW736
JW735
JW739
JW744
JW731
JW722
JW723
JW724
JW729
JW728
JW727
JW802
B791
CN700
CN701
JR700
JW766
JW764
JW765
JW763
JW762
JW761
JW760
R757
C759
JW767
R798
R769
R768
R797
Q765
Q763
Q762
R765
JW751
JW752
C748
C757
C756
R748
C747
C746
R749
R760
C755
C758
C749
R747
JW798
JW733
JW759
JW709
JW725
JW700
JW755
JW708
JW754
JW726
JW706
JW742
JW741
JW710
JW753
R775
R774
R771
R772
C771
C770
D770
C792
C791
C742
R773
R710
R712
R702
R762
R792
R761
C710
C712
C711
R730
R780
R781
R783
R782
R793
D780
Q780
C794
C793
JW703
JW702
JW793
JW711
C780
R751
C752
C702
R741
C751
R740
C740
C741
R750
R794
C730
R795
C796
C731
C781
R785
JW740
JW716
JW715
JW712
JW717
JW788
JW718
R744
R745
Q740
R746
R743
C744
JW743
C795
JW773
R755
C701
R701
R700
Q750
C700
JW725
JW721
R705
Q700
R704
C704
R703
R706
R756
JW701
R753
R754
C754
JW797
JW734
JW736
JW735
JW739
JW774
Q721
R731
R723
Q730
R732
R724
R784
R734
JW705
JW777
R737
G732
C733
R725
R726
R727
R733
R721
R722
C721
D720
D730
Q722
Q720
JW746
JW747
JW748
R735
R720

## 7-28. SCHEMATIC DIAGRAM – DVD SURR BOARD –

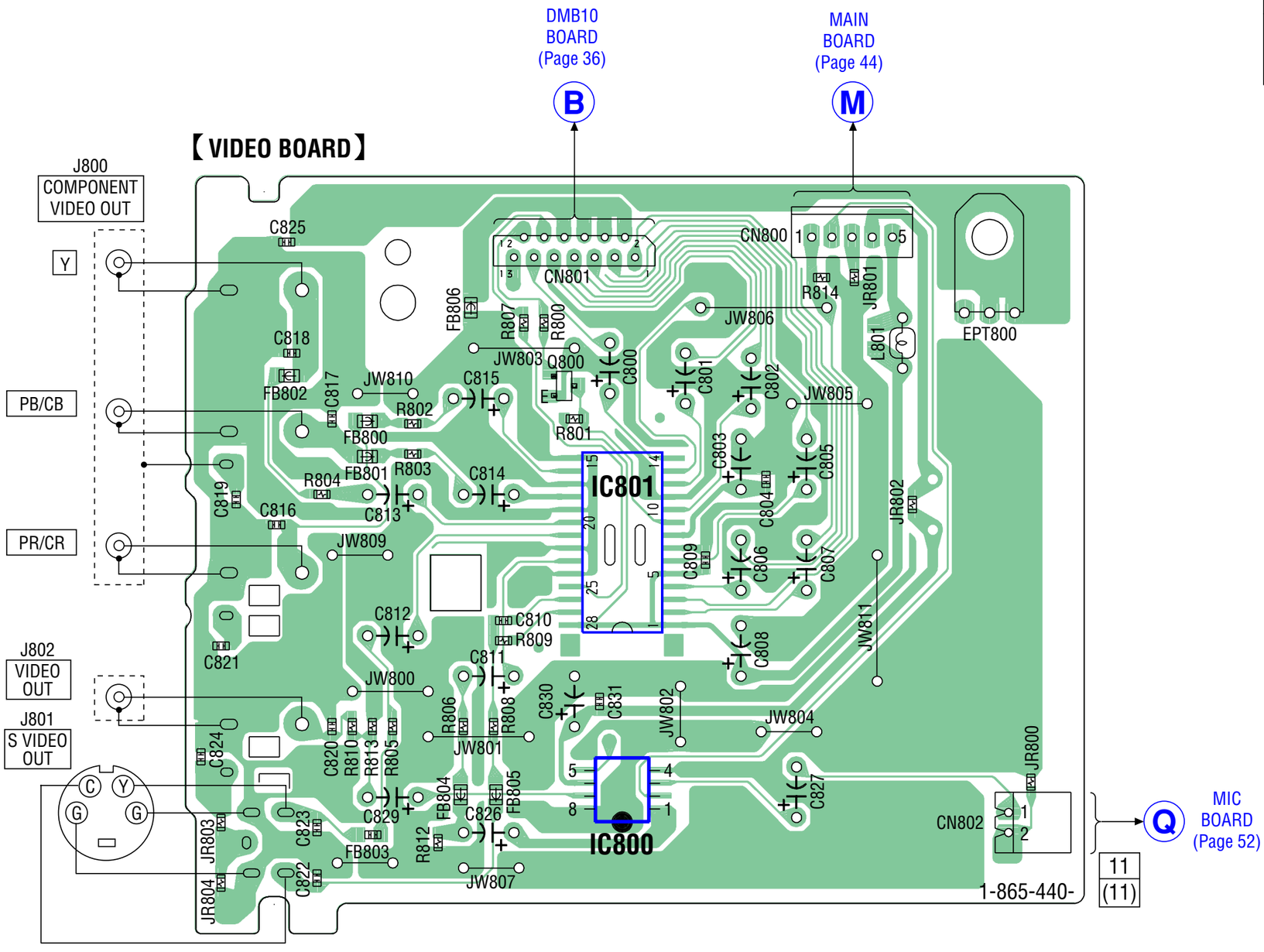


## 7-29. PRINTED WIRING BOARD – VIDEO BOARD –

• See page 29 for Circuit Boards Location. :Uses unleaded solder.

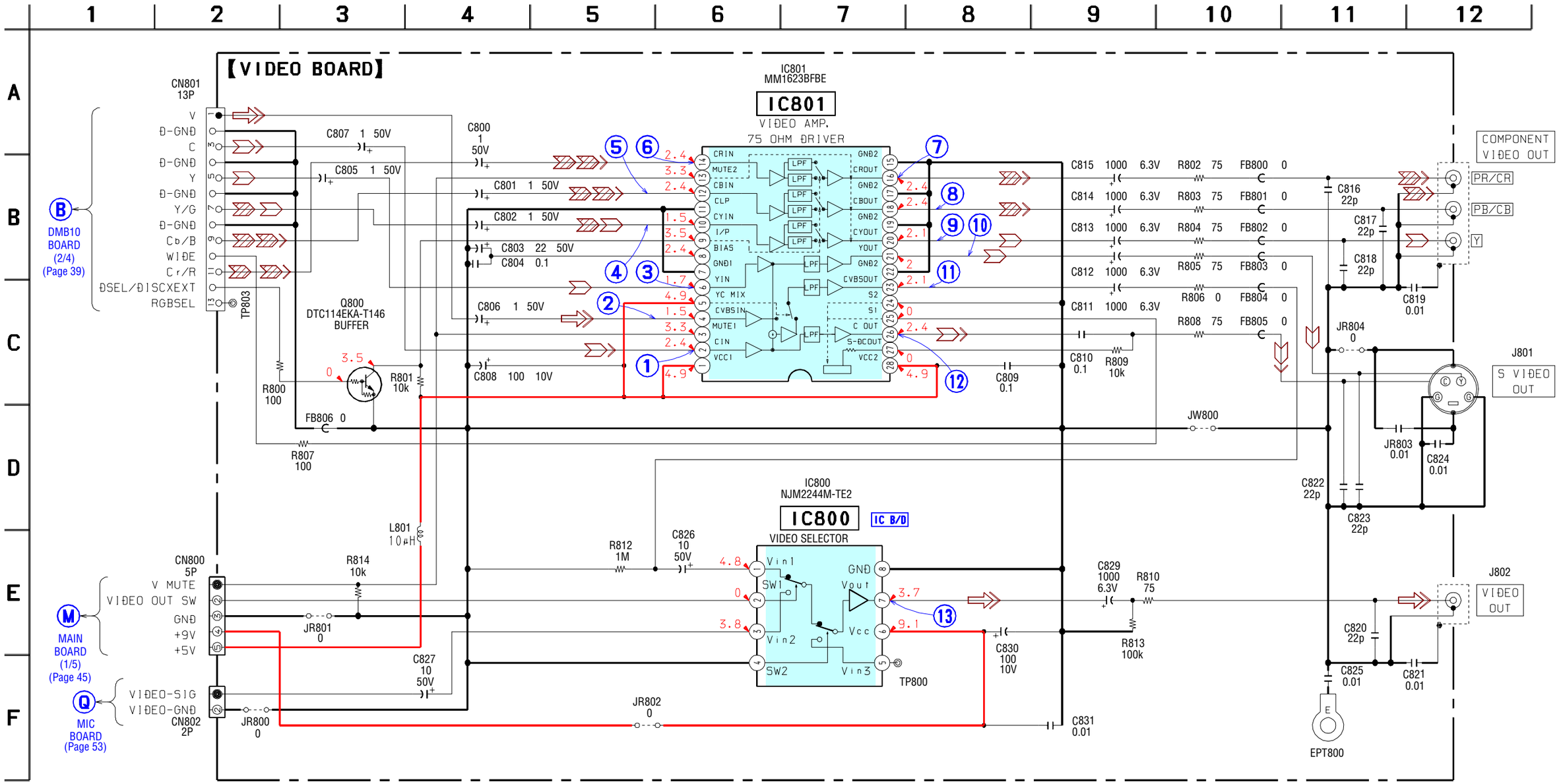
- **Semiconductor Location**

| Ref. No. | Location |
|---|---|
| IC800 | D-3 |
| IC801 | C-3 |
| Q800 | B-3 |



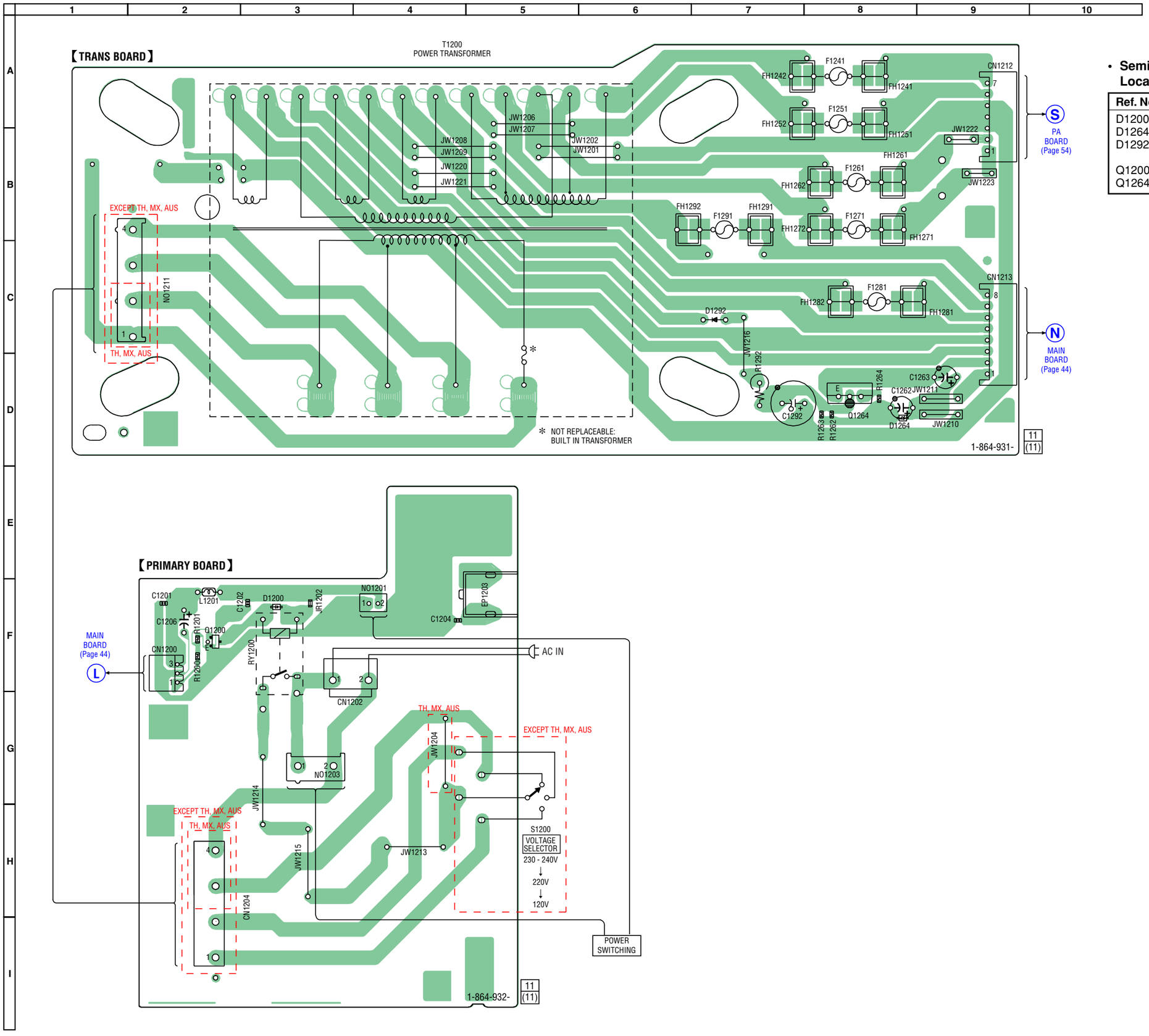
## 7-30. SCHEMATIC DIAGRAM – VIDEO BOARD –

• See page 62 for Waveforms. • See page 63 for IC Block Diagrams.



## 7-31. PRINTED WIRING BOARDS – TRANS AND PRIMARY BOARDS –

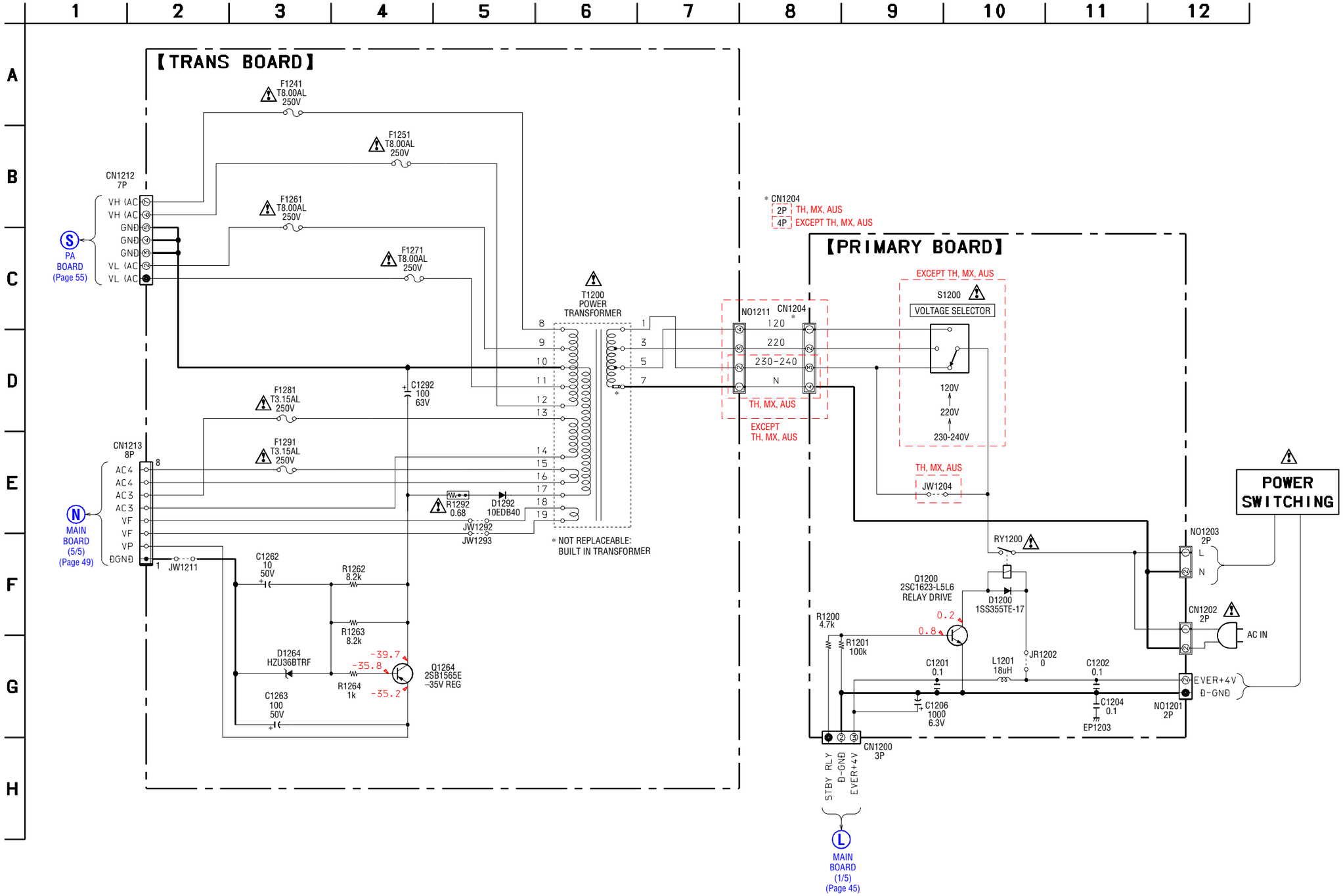
• See page 29 for Circuit Boards Location. :Uses unleaded solder.




- **Semiconductor Location**

| Ref. No. | Location |
|---|---|
| D1200 | F-3 |
| D1264 | D-8 |
| D1292 | C-7 |
| Q1200 | F-2 |
| Q1264 | D-8 |

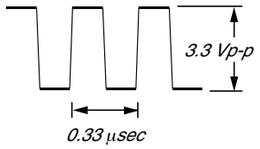
## 7-32. SCHEMATIC DIAGRAM – TRANS AND PRIMARY BOARDS –



• **Waveforms**

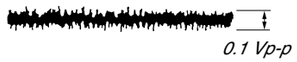
**– DMB10 Board –**

**① IC301 ⑨ BICK**



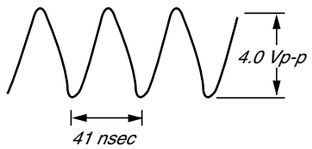

2V/DIV, 0.1 µsec/DIV

**④ IC102 ㉛ FED**




0.1V/DIV, 0.5 msec/DIV

**② IC301 ⑩ MCLK**

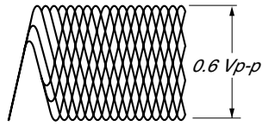



2V/DIV, 20 nsec/DIV

**⑤ IC102 ㉜ TEO**

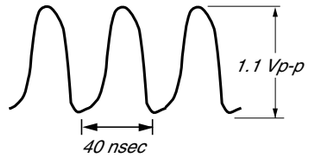
0.1 V/DIV, 0.5 msec/DIV

**③ IC102 ⑥ DVDRFIP**




0.2V/DIV, 50 nsec/DIV

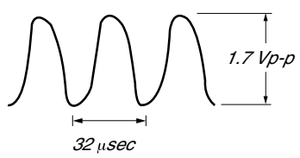
**⑥ IC102 ㉘ XTALO**




0.5V/DIV, 20 nsec/DIV

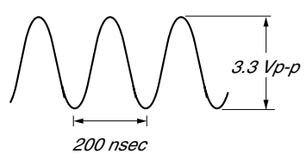
**– MAIN Board –**

**① IC401 ⑪ XC OUT**



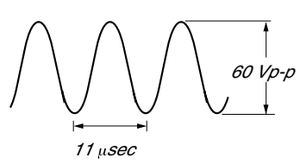

0.5 V/DIV, 10 µsec/DIV

**② IC401 ⑬ X-OUT**




1V/DIV, 50 nsec/DIV

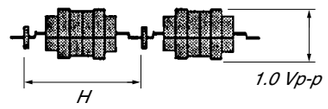
**③ CN503 ⑧ E-HOT**




20V/DIV, 5 µsec/DIV

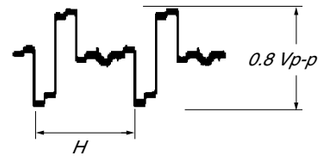
**– VIDEO Board –**

**① IC801 ② CIN**



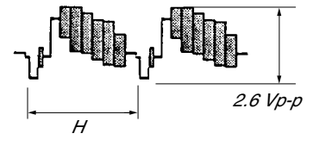

0.5 V/DIV, 20 µsec/DIV

**⑥ IC801 ⑭ CRIN**



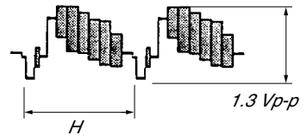

0.5 V/DIV, 20 µsec/DIV

**⑪ IC801 ㉓ CVBSOUT**



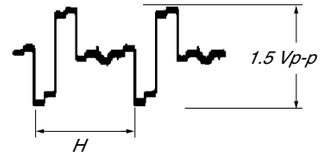

1 V/DIV, 20 µsec/DIV

**② IC801 ④ CVBSIN**



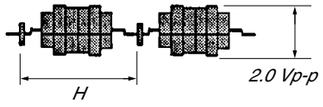

0.5 V/DIV, 20 µsec/DIV

**⑦ IC801 ⑯ CROUT**



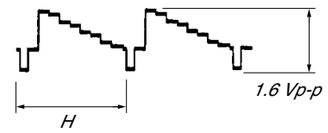

1 V/DIV, 20 µsec/DIV

**⑫ IC801 ㉖ C OUT**



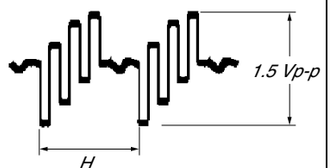

1 V/DIV, 20 µsec/DIV

**③ IC801 ⑥ YIN**



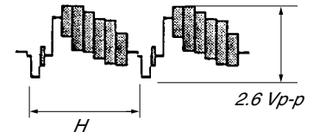

0.5 V/DIV, 20 µsec/DIV

**⑧ IC801 ⑱ CBOUT**



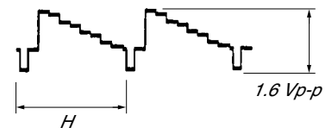

1 V/DIV, 20 µsec/DIV

**⑬ IC800 ⑦ VOUT**



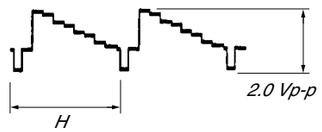

1 V/DIV, 20 µsec/DIV

**④ IC801 ⑩ CTIN**



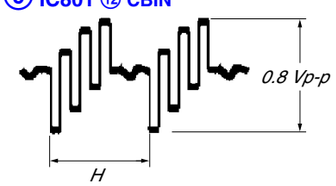

0.5 V/DIV, 20 µsec/DIV

**⑨ IC801 ⑳ CYOUT**



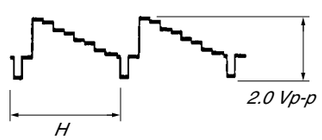

1 V/DIV, 20 µsec/DIV

**⑤ IC801 ⑫ CBIN**




0.5 V/DIV, 20 µsec/DIV

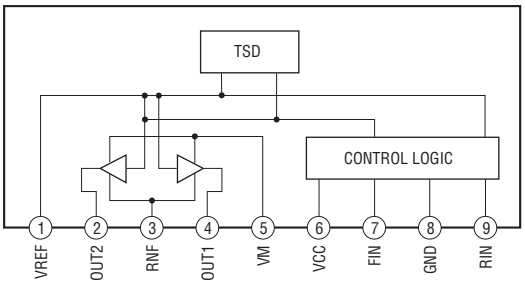
**⑩ IC801 ㉑ YOUT**



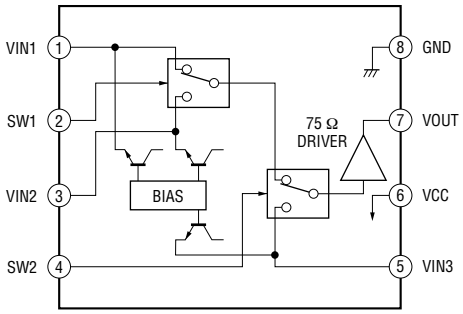

1 V/DIV, 20 µsec/DIV

• **IC Block Diagrams**

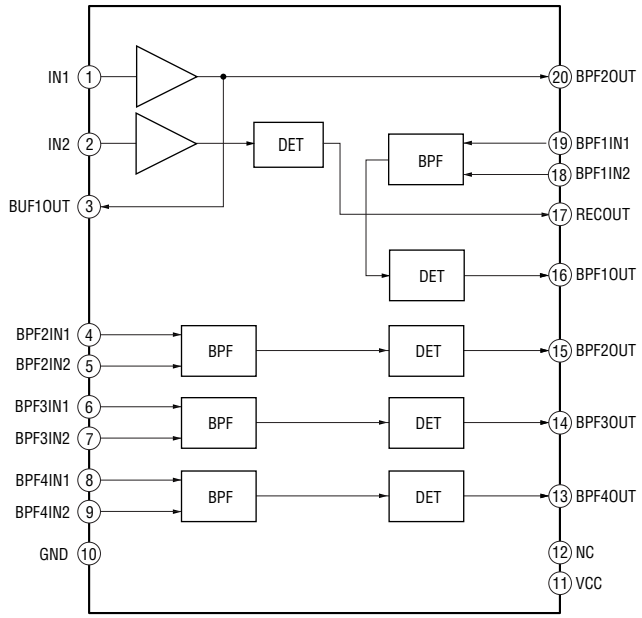
### IC701, 712 BA6956AN (DRIVER BOARD)



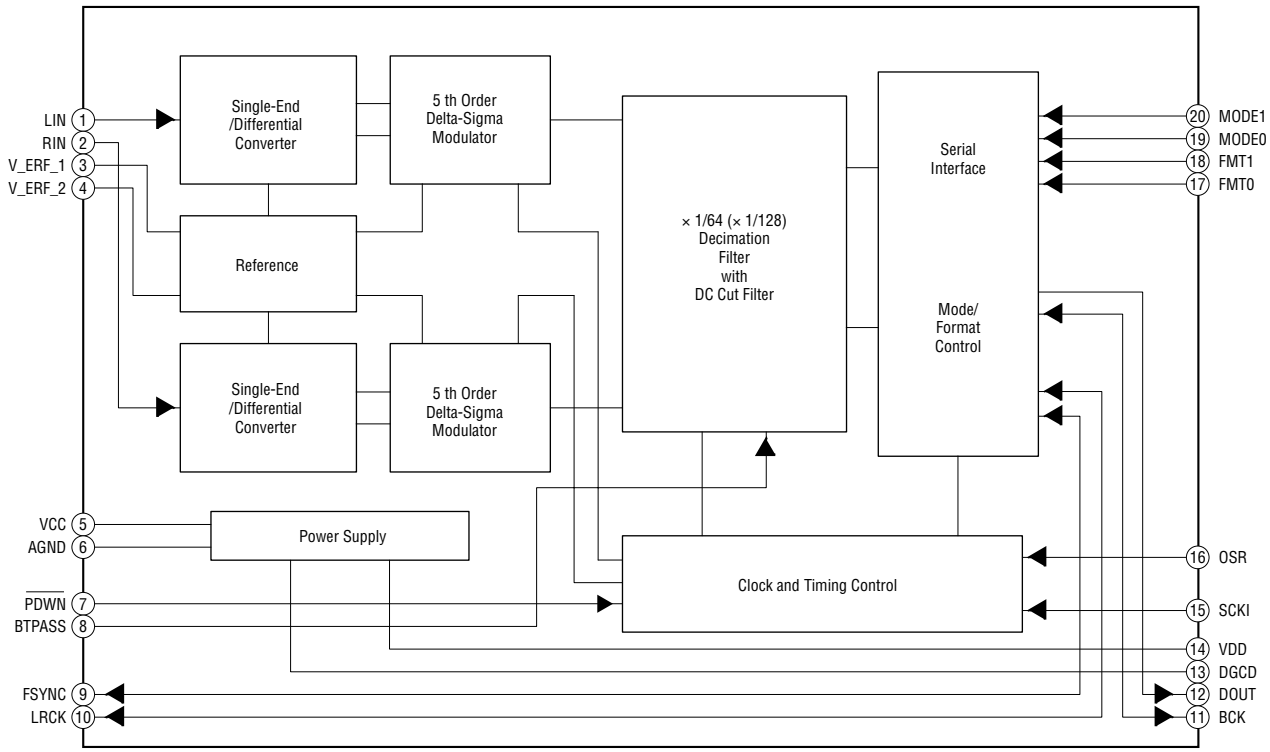

### IC800 NJM2244M-TE2 (VIDEO BOARD)



## IC904 NJM2760V-TE2 (PANEL BOARD)




## IC3601 PCM1803DBR (DMB10 BOARD)



• **IC Pin Function Description**

**IC102 CXD9804R (CD/DVD RF AMP, FOCUS/TRACKING ERR AMP, DVD SYSTEM PROCESSOR, DIGGITAL SERVO PROCESSOR) (DMB10 BOARD)**

| Pin No. | Pin Name | I/O | Description |
|---|---|---|---|
| 1 | AGND | – | Ground |
| 2 | DVDA | I | AC coupled RF signal input A |
| 3 | DVDB | I | AC coupled RF signal input B |
| 4 | DVDC | I | AC coupled RF signal input C |
| 5 | DVDD | I | AC coupled Rf signal input D |
| 6 | DVDRFIP | I | AC coupled DVD RF signal input |
| 7 | DVDRFIN | I | AC coupled DVD RF signal input (Not used) |
| 8 | NA | I | RF signal input A |
| 9 | NB | I | RF signal input B |
| 10 | MC | I | RF signal input C |
| 11 | MD | I | RF signal input D |
| 12 | SA | I | Sub-beam RF signal input A (Not used) |
| 13 | SB | I | Sub-beam RF signal input B (Not used) |
| 14 | SC | I | Sub-beam RF signal input C (Not used) |
| 15 | SD | I | Sub-beam RF signal input D (Not used) |
| 16 | CDFON | I | CD focusing error negative input (Not used) |
| 17 | CDFOP | I | CD focusing error positive input (Not used) |
| 18 | TNI | I | RF signal input E |
| 19 | TPI | I | RF signal input F |
| 20 | MDI1 | I | Laser power PD monitor input |
| 21 | MDI2 | I | Laser power PD monitor input |
| 22 | LDO2 | O | Laser drive signal output |
| 23 | LDO1 | O | Laser drive signal output |
| 24 | SVDD3 | – | Power Supply (+3.3V) |
| 25 | CSD | O | Not used (Open) |
| 26 | RFLVL | O | Positive main beam summing output |
| 27 | SGND | O | Ground |
| 28 | V2REFO | O | Reference voltage output |
| 29 | V2O | O | Center voltage output |
| 30 | VREFO | O | Reference voltage output |
| 31 | FEO | O | Focus error signal output |
| 32 | TEO | O | Tracking error signal output |
| 33 | TEZISLY | O | TE Slicing Level (Not used) |
| 34 | OPOUT | – | Not used (Open) |
| 35 | OPIN | – | Not used (Open) |
| 36 | OPIN | – | Not used (Open) |
| 37 | DMO | O | Spindle motor control PWM signal output |
| 38 | FMO | O | Sled motor PWM signal output |
| 39 | TROPENPWM | O | Tray PWM output/Tray open output (Not used) |
| 40 | IOPMON | O | General PWM signal output |
| 41 | TRO | O | Tracking servo signal output |
| 42 | FOO | O | Focus servo signal output |
| 43 | USBVSS | – | Ground |
| 44 | USBP | – | Not used (Open) |
| 45 | USBM | – | Not used (Open) |
| 46 | USBVDD3 | – | Power Supply (+3.3V) |
| 47 | SPFG | I | Spindle FG signal input |

| Pin No. | Pin Name | I/O | Description |
|---|---|---|---|
| 48 | AN0 | – | Not used (Pull up) |
| 49 | AN1 | – | Not used (Pull up) |
| 50 | AN2 | – | Not used (Pull up) |
| 51 | MAMUTE | O | MAMUTE signal output (Not used) |
| 52 | DVDD18 | – | Power Supply (+1.8V) |
| 53 to 58 | IOA 2 to 7 | O | Address bus 2 to 7 output to FLASH PROM |
| 59 | HIGHA0 | O | Address bus 8 output to FLASH PROM |
| 60, 61 | IOA18, 19 | O | Address bus 18, 19 output to FLASH PROM |
| 62 | DVSS | – | Ground |
| 63 | APLLCAP | I | APLL External Capacitance connection |
| 64 | APLLVSS | – | Ground |
| 65 | VDD3 | – | Power Supply (+3.3V) |
| 66 | I OWR | O | Write signal output to FLASH PROM |
| 67 | A16 | O | Address bus 16 output to FLASH PROM |
| 68 to 72 | HIGHA 7 to 3 | O | Address bus 15 to 11 output to FLASH PROM |
| 73 | DVDD3 | – | Power Supply (+3.3V) |
| 74, 75 | HIGHA 2, 1 | O | Address bus 10, 9 output to FLASH PROM |
| 76 | IOA20 | O | Address bus 20 output to FLASH PROM |
| 77 | IOCS | O | Chip select signal output to FLASH PROM |
| 78 | IOA1 | O | Address bus 1 output to FLASH PROM |
| 79 | IOOE | O | Out enable signal output to FLASH PROM |
| 80 | DVDD3 | – | Power Supply (+3.3V) |
| 81 to 84 | AD 0 to 3 | I/O | Data bus 0 to 3 input/output to FLASH PROM |
| 85 | DVSS | – | Ground |
| 86 to 88 | AD 4 to 6 | I/O | Data bus 4 to 6 input/output to FLASH PROM |
| 89 | IOA21 | O | Address bus 21 output to FLASH PROM |
| 90 | ALE | O | Not used (Open) |
| 91 | AD7 | I/O | Data bus 7 input/output to FLASH RAM |
| 92 | A17 | O | Address bus 17 output to FLASH PROM |
| 93 | IOA0 | I/O | Address bus 0 input/output to FLASH RAM |
| 94 | DVSS | – | Ground |
| 95 | UWA | – | Not used (Open) |
| 96 | URB | – | Not used (Open) |
| 97 | DVDD18 | – | Power Supply (+1.8V) |
| 98 | IFSDO | O | Serial data output to M30620MCP |
| 99 | IFCK | O | Serial clock data output to M30620MCP |
| 100 | XIFCS | O | XIFCS signal output to M30620MCP |
| 101 | IFSDI | I | Serial data input from M30620MCP |
| 102 | SCL | O | SCL signal output to EEPROM |
| 103 | SDA | O | SDA signal output to EEPROM |
| 104 | TRG-SW | O | Not used |
| 105 | IF-BSY | I | IFBSY signal input from M30620MCP |
| 106 | RXD | I | RD232 RXD signal input |
| 107 | TXD | O | RD232 TXD signal output |
| 108 | DVDD3 | – | Power Supply (+3.3V) |
| 109 | IEC | – | Not used (Open) |
| 110 | PRST | I | System reset signal input from M30620MCP |
| 111 | IR | – | Not used (Open) |
| 112 | INT0 | – | Not used (Open) |
| 113 | DQMO | O | DQM0 signal output to SDRAM |

| Pin No. | Pin Name | I/O | Description |
|---|---|---|---|
| 114 | MREQ | I | DQM signal input |
| 115 | RD7 | I/O | Data bus 7 input/output to SDRAM |
| 116 | DVSS | – | Ground |
| 117, 118 | RD 6, 5 | I/O | Data bus 6, 5 input/output to SDRAM |
| 119 | DVSS | – | Ground |
| 120, 121 | RD 4, 3 | I/O | Data bus 4, 3 input/output to SDRAM |
| 122 | DVDD18 | – | Power Supply (+1.8V) |
| 123 to 125 | RD 2 to 0 | I/O | Data bus 2 to 0 input/output to SDRAM |
| 126 | RD15 | I/O | Data bus 15 innput/output SDRAM |
| 127 | DVDD3 | – | Power Supply (+3.3V) |
| 128 | RD 14 | I/O | Data bus 14 input/output to SDRAM |
| 129 to 133 | RD 13 to 9 | I/O | Data bus 13 to 9 input/output to SDRAM |
| 134 | DVSS | – | Terminal Ground |
| 135 | RD8 | I/O | Data bus 8 input/output to SDRAM |
| 136 | GPI0 | – | Not used (Open) |
| 137 | DQM1 | O | DQM1 signal output to SDRAM |
| 138 | REW | O | Write signal output to SDRAM |
| 139 | CAS | O | CAS signal output to SDRAM |
| 140 | RAS | O | RAS signal output to SDRAM |
| 141 | DVDD3 | – | Power Supply (+3.3V) |
| 142 | RCS | O | Chip select signal output to SDRAM |
| 143 | BAO | O | BAO signal output to SDRAM |
| 144 | DVSS | – | Ground |
| 145 | BA1 | O | BA1 signal output to SDRAM |
| 146 | RA10 | O | Address bus 10 output to SDRAM |
| 147 | RA0 | O | Address bus 0 output to SDRAM |
| 148 | DVSS | – | Ground |
| 149 to 151 | RA 1 to 3 | O | Address bus 1 to 3 output to SDRAM |
| 152 | DVDD18 | – | Power Supply (+1.8V) |
| 153 | RVREF | – | Not used (Open) |
| 154 | RCLKB | – | Not used (Open) |
| 155 | DVDD3 | – | Power Supply (+3.3V) |
| 156 | RCLK | O | Clock output to SDRAM |
| 157 | CLE | O | Clock enable output to SDRAM |
| 158 to 160 | RA 11, 9, 8 | O | Address bus 11, 9, 8 output to SDRAM |
| 161 | DVSS | – | Ground |
| 162 | RA7 | O | Address bus 7 output to SDRAM |
| 163 | DVSS | – | Ground |
| 164 to 166 | RA 6 to 4 | O | Address bus 6 to 4 output to SDRAM |
| 167 | DVDD3 | – | Power Supply (+3.3V) |
| 168 | DISC/X | – | Not used (Open) |
| 169 | RGB | – | Not used (Open) |
| 170 | XSMRST | – | Not used (Open) |
| 171 | WODE | O | Wide signal output to MM1623BFBE |
| 172 | NT | – | Not used |
| 173 | DVDD18 | – | Power Supply (+1.8V) |
| 174 | EUR | – | Not used (Open) |
| 175 | DVSS | – | Ground |
| 176 | LIMSW | I | Optical pick-up limit switch signal input |
| 177 | OCSW | – | Not used |

| Pin No. | Pin Name | I/O | Description |
|---|---|---|---|
| 178 | VCLK | – | Not used |
| 179 | CKSW | – | Not used |
| 180 | IO3 | – | Not used |
| 181 | TSDM | O | TSDM signal output to FAN8036L |
| 182 | DVDD3 | – | Power Supply (+3.3V) |
| 183 | MUTE | O | MUTE signal output to FAN8036L |
| 184 | MUTE123 | O | MUTE signal output to FAM8036L |
| 185 | REV | – | Not used |
| 186 | FWD | – | Not used |
| 187 | MSW | O | Optical pick-up volume control signal output |
| 188 | DSEL | O | Not used |
| 189 | DAVCC | – | Power Supply (+3.3V) |
| 190 | VREF | – | Not used |
| 191 | FS | I | Full scale adjustment (pull down) |
| 192 | YUV0 | – | Not used |
| 193 | DAVSS | – | Ground |
| 194 | YUV1 | O | Y signal output to MM1623BFBE |
| 195 | DAVDD | – | Power Supply (+3.3V) |
| 196 | YUV2 | O | CHROMA signal output to MM1623BFBE |
| 197 | DAVSS | – | Ground |
| 198 | YUV3 | O | VIDEO signal output to MM1623BFBE |
| 199 | DAVDD | – | Power Supply (+3.3V) |
| 200 | YUV4 | O | G signal output to MM1623BFBE |
| 201 | DAVSS | – | Ground |
| 202 | YUV5 | O | B signal output to MM1623BFBE |
| 203 | YUV6 | O | R signal output to MM1623BFBE |
| 204 | DVDD3 | – | Power Supply (+3.3V) |
| 205 | MIC/VSYNC | I | Mic status signal input to M30620MCP |
| 206 | VOICE/YUV7 | I | Not used |
| 207 | KRMOD/HSYNC | O | KRMOD signal output to M30620MCP |
| 208 | SMSCK | – | Not used |
| 209 | SPDATA/SMSDI | I | Audio data of SPDIF input |
| 210 | SMSDO | – | Not used |
| 211 | XSMCS | – | Not used |
| 212 | DVDD3 | – | Power Supply (+3.3V) |
| 213 | ALRCK | I | Audio left/right channel clock input |
| 214 | ABCK | O | Audio bit clock output |
| 215 | ACLK | I | Audio DAC master clock input |
| 216 | DVSS | – | Ground |
| 217 | ASDATA0 | O | Auido serial data output to AK4358VQ |
| 218 | ASDATA1 | O | Auido serial data output to AK4358VQ |
| 219 | ASDATA2 | O | Auido serial data output to AK4358VQ |
| 220 | XRST | I | Reset signal input |
| 221 | DVDD18 | – | Power Supply (+1.8V) |
| 222 | ASDATA4 | O | Auido serial data output to AK4358VQ |
| 223 | DVSS | – | Ground |
| 224 | DWIDE | – | Not used (Open) |
| 225 | SDPIF | I | Serial data input from PCM1803DBR |
| 226 | RFGND18 | – | Ground |
| 227 | RFVDD18 | – | Power Supply (+1.8V) |

| Pin No. | Pin Name | I/O | Description |
|---|---|---|---|
| 228 | ZTALO | O | Oscillator output terminal |
| 229 | ZTALI | I | Oscillator input terminal |
| 230 | JITFO | O | RF jitter meter output |
| 231 | JITFN | I | RF jigger meter input |
| 232 | PLLVSS | – | Ground |
| 233 | IDAC | – | Not used |
| 234 | PLLVDD3 | – | Power Supply (+3.3V) |
| 235 | LPFON | O | Negative output of loop filter amplifier |
| 236 | LPFIP | I | Positive input of loop filter amplifier |
| 237 | LPFIN | I | Negative input of loop filter amplifier |
| 238 | LPFOP | O | Positive output of loop filter amplifier |
| 239 | VDD3 | – | Power Supply (+3.3V) |
| 240 | VCM | I | SACD-Common mode Reference |
| 241 | VSS | – | Ground |
| 242 | VREEP | I | SACD-TOP Reference |
| 243 | VREEN | I | SACD-Bottom Reference |
| 244 | RFVDD3 | – | Power Supply (+3.3V) |
| 245 | RFRPDC | I | RFRP signal input |
| 246 | RFRPAC | I | RFRP signal input |
| 247 | HRFZC | I | High frequency RF ripple zero crossing |
| 248 | CRTPLP | O | Defect level filter capacitor connecting |
| 249 | RFGND | – | Ground |
| 250 | CEQP | O | EQ offset loop capacitance |
| 251 | CEQN | I | EQ offset loop capacitance |
| 252 | OSP | O | RF offset cancellation capacitor connecting |
| 253 | OSN | I | RF offset cancellation capacitor connecting |
| 254 | RFGC | O | RF offset loop capacitor connecting |
| 255 | IREF | I | Current reference input |
| 256 | AVDD3 | – | Power Supply (+3.3V) |

**IC401 M30620MCP-A03FPU0 (SYSTEM CONTROL) (MAIN BOARD)**

| Pin No. | Pin Name | I/O | Description |
|---|---|---|---|
| 1 | TUNED | I | Tuner tuning detection signal input |
| 2 | MC-DOUT(ST) | O | Tuner tuning PLL serial data output |
| 3 | ST-CLK | O | Tuner tuning PLL serial data transfer clock signal output |
| 4 | SIRCS | I | Remote control signal input |
| 5 | MC-DIN(ST) | I | Tuner tuning PLL serial data input |
| 6 | ST-CE | O | Tuner tuning PLL chip enable signal output |
| 7 | STBY-RELAY | O | Main power on/off control signal output |
| 8 | BYTE | – | Not used (connected ground) |
| 9 | CNVss | – | Ground |
| 10 | XC-IN | I | Sub system clock input terminal (32.768kHz) |
| 11 | XC-OUT | O | Sub system clock output terminal (32.768kHz) |
| 12 | RESET | I | System reset signal input |
| 13 | X-OUT | O | Main system clock output terminal (16MHz) |
| 14 | VSS | – | Ground |
| 15 | X-IN | I | Main system clock input terminal (16MHz) |
| 16 | VCC | – | Power supply (+3.3V) |
| 17 | NMI | I | Non-maskable interrupt input (Not used) |
| 18 | KRMOD | I | KRMOD signal input from CXD9804R |
| 19 | VOICE | I | Not used (Open) |
| 20 | AC-CUT | I | AC off detection signal input from ICBD4828G |
| 21 | MIC SW | O | Mic status output to CXD9804R |
| 22 | MREQ | I | Muting request signal input from CXD9804R |
| 23 | IFBSY | O | IFBSY signal to CXD9804R |
| 24 | XIFCS | I | XIFCS signal from CXD9804R |
| 25 | SYSRST | O | System reset signal output to CXD9804R |
| 26 | OPEN SW | I | Eject detection signal input |
| 27 | TBL SENS | I | Disc tray position detection signal input |
| 28 | E3 | I | Disc tray status detection signal input |
| 29 | IIC-CLK | I/O | IIC serial clock signal input/output |
| 30 | IIC-DATA | I/O | IIC serial data signal input/output |
| 31 | SIO | O | Serial data output to CXD9804R |
| 32 | SOO | I | Serial data input from CXD9804R |
| 33 | SCO | I | Serial clock input from DVD Motherboard |
| 34 | E2 | I | Disc tray status detection signal input |
| 35 | E1 | I | Disc tray status detection signal input |
| 36 | TB-F | O | Disc tray turning motor control signal output |
| 37 | TM-R | O | Disc tray turning motor control signal output |
| 38 | LM-F | O | Disc tray loading motor control signal output |
| 39 | LM-R | O | Disc tray loading motor control signal output |
| 40 | GC-RESET | O | Reset signal output to MB90M407PF |
| 41 | STBY LED | O | LED drive signal output |
| 42 | FAN CTRL | O | Fan driving signal output |
| 43 | NO USE | I | Not used (connected ground) |
| 44 | NO USE | I | Not used (connected ground) |
| 45 | NO USE | I | Not used (connected ground) |
| 46 | A PLAY | I | Deck A playback detection signal input |
| 47 | A-HALF | I | Deck A cassette detection signal input |
| 48 | A-TRIG | O | Deck A side trigger plunger drive signal output |
| 49 | B-TRIG | O | Deck B side trigger plunger drive signal output |

| Pin No. | Pin Name | I/O | Description |
|---|---|---|---|
| 50 | CAPM | O | Capstan motor drive signal output |
| 51 | B-PLAY | I | Deck B playback detection signal input |
| 52 | REC BIAS | O | Recording bias on/off control signal output |
| 53 | TC RELAY | O | Recording/playback selection signal output |
| 54 | REC MUTE | O | Recording muting on/off control signal output |
| 55 | PB A/B | O | Deck A/B playback selection signal output |
| 56 | ALC | O | Automatic limiter control signal output |
| 57 | AMS IN | I | AMS signal input |
| 58 | FAN KICK | O | Fan kick off pulse output |
| 59 | CTR SPK SW | O | Center channel input source switching signal output |
| 60 | STK MUTE | O | Power amplifier and sub woofer amplifier on/off control signal output |
| 61 | SURR RELAY | O | surround speakers relay drive signal output |
| 62 | VCC | – | Power supply (+3.3V) |
| 63 | NO USE | O | Not used (connected ground) |
| 64 | VSS | – | Ground |
| 65 | CTR RELAY | O | center speaker relay drive signal output |
| 66 | FR SPK RELAY | O | Front speakers relay drive signal output |
| 67 | PROTECTOR | I | Speaker protect detection signal input |
| 68 | OVER VOLTAGE DET | I | Power amplifier over voltage protection detection input |
| 69 | UNDER VOLTAGE DET | I | Power amplifier under voltage protection detection input |
| 70 | THERMAL VACS | I | Thermal VACS detection input |
| 71 | TC-MUTE | O | Tape playback muting signal output |
| 72 | HP MUTE | O | Headphone muting signal output |
| 73 | DISPLAY-KEY | I | DISPLAY key press detection signal (Interrupt input) |
| 74 | POWER-KEY | I | POWER key press detection signal (Interrupt input) |
| 75 | SW-MUTE | O | Subwoofer muting signal output |
| 76 | LINE MUTE | O | Line muting signal output |
| 77 | DVD A MUTE | O | DVD analog muting signal output |
| 78 | ANALOG IN MUTE | O | Analog input muting signal output |
| 79 | AUDIO1 IC DATA | O | Serial data output to M61529FP |
| 80 | AUDIO1 IC CLK | O | Serial data transfer clock signal output to M61529FP |
| 81 | VOL IC DATA | O | Serial data output to M61530FP |
| 82 | VOL IC CLK | O | Serial data transfer clock signal output to M61530FP |
| 83 | LINE OUTMUTE | O | Line Out muting signal output |
| 84 | HP DETECT | I | Headphone connection detection signal input |
| 85 | MIC DETECT | I | Microphone connection detection signal input |
| 86 | MTK POWER | O | Power supply control signal to DVD Motherboard |
| 87 | VIDEO OUT SW | O | Composite video output switching signal output |
| 88 | V MUTE | O | Video muting signal output |
| 89 | A SHUT | I | Shut off detection signal input from deck A reel pulse (A/D input) |
| 90 | B SHUT | I | Shut off detection signal input from deck B reel pulse (A/D input) |
| 91 | B HALF | I | Deck B cassette detection, forward side recording tab detection and reverse side recording tab detection signal input (A/D input) |
| 92 | MODEL-IN | I | Model setting input |
| 93 | DEST-IN | I | Destination setting input |
| 94 | MIC LEVEL IN | I | Not used (Open) |
| 95 | 3.3V MNT | I | Power supply +3.3V monitor input from DVD Motherboard |
| 96 | AVSS | – | Ground |
| 97 | BPM DET | I | Speana Low frequency output monitor input (A/D input) |
| 98 | VREF | I | A/D Converter reference voltage input |

| Pin No. | Pin Name | I/O | Description |
|---|---|---|---|
| 99 | AVCC | – | Power supply (+3.3V) |
| 100 | SOFT TEST | I | Not used (Open) |

**IC902 MB90M407PF-G-145E1 (DISPLAY CONTROL ) (PANEL Board)**

| Pin No. | Pin Name | I/O | Description |
|---|---|---|---|
| 1 to 8 | G8 to G1 | O | FLD grid output |
| 9, 10 | P1, P2 | O | FLD segment output |
| 11 | VSS-IO | – | Ground |
| 12 to 22 | P3 to P13 | O | FLD segment output |
| 23 | VDD-FIP | – | Power supply (+3.3V) |
| 24 to 41 | P14 to P31 | O | FLD segment output |
| 42 | VSS-IO | – | Ground |
| 43 to 47 | P32 to P36 | O | FLD segment output |
| 48 | VKK | – | Power supply (-35V) |
| 49 | MD0 | I | Setting terminal for system mode (pull up with resistor) |
| 50 | MD1/VDD-VFT | I | Setting terminal for system mode (pull up with resistor) |
| 51 | MD2 | I | Setting terminal for system mode (pull down with resistor) |
| 52 | LED CD/DVD | O | LED drive signal output |
| 53 | LED TUNER | O | LED drive signal output |
| 54 | LED TAPE | O | LED drive signal output |
| 55 | LED TV/SAT | O | LED drive signal output |
| 56 | LED STOP, PAUSE | O | LED drive signal output |
| 57 | LED VOLUME 2, 3 | O | LED drive signal output |
| 58 | LED VOLUME 4, 5 | O | LED drive signal output |
| 59 | LED VOLUME 6 | O | LED drive signal output |
| 60 | IIC-DATA | I/O | IIC serial data input/output |
| 61 | IIC-CLK | I/O | IIC clock signal input/output |
| 62 | AVCC | – | Power supply (+3.3V) |
| 63 | AVSS | – | Ground |
| 64 to 66 | KEY0 to KEY2 | I | Key input (A/D) |
| 67 | ALL BAND | I | Spectrum analyzer all band signal input |
| 68 to 71 | BPF3 to BPF0 | I | Spectrum analyzer BPF signal input |
| 72 | LED VIDEO/MD | O | LED group select signal output |
| 73 | JOG X-ROUND | I | X-ROUND encoder pulse input |
| 74 | VOLUME | I | VOLUME encoder pulse input |
| 75 | OPERATION DIAL | I | OPERATION DIAL encoder pulse input |
| 76 | AMS | I | AMS dial pulse input |
| 77 | RESET | I | Reset input |
| 78 | LED AMS+/-, FF/FW | O | LED drive signal output |
| 79 | LED PLAY | O | LED drive signal output |
| 80 | SELECTOR | O | LED drive select signal output |
| 81 | VSS-CPU | – | Ground |
| 82 | XOUT | O | Crystal oscillator output (4MHz) |
| 83 | XIN | I | Crystal oscillator input (4MHz) |
| 84 | VCC-CPU | – | Power supply (+3.3V) |
| 85 to 100 | G24 to G9 | O | FLD grid output |

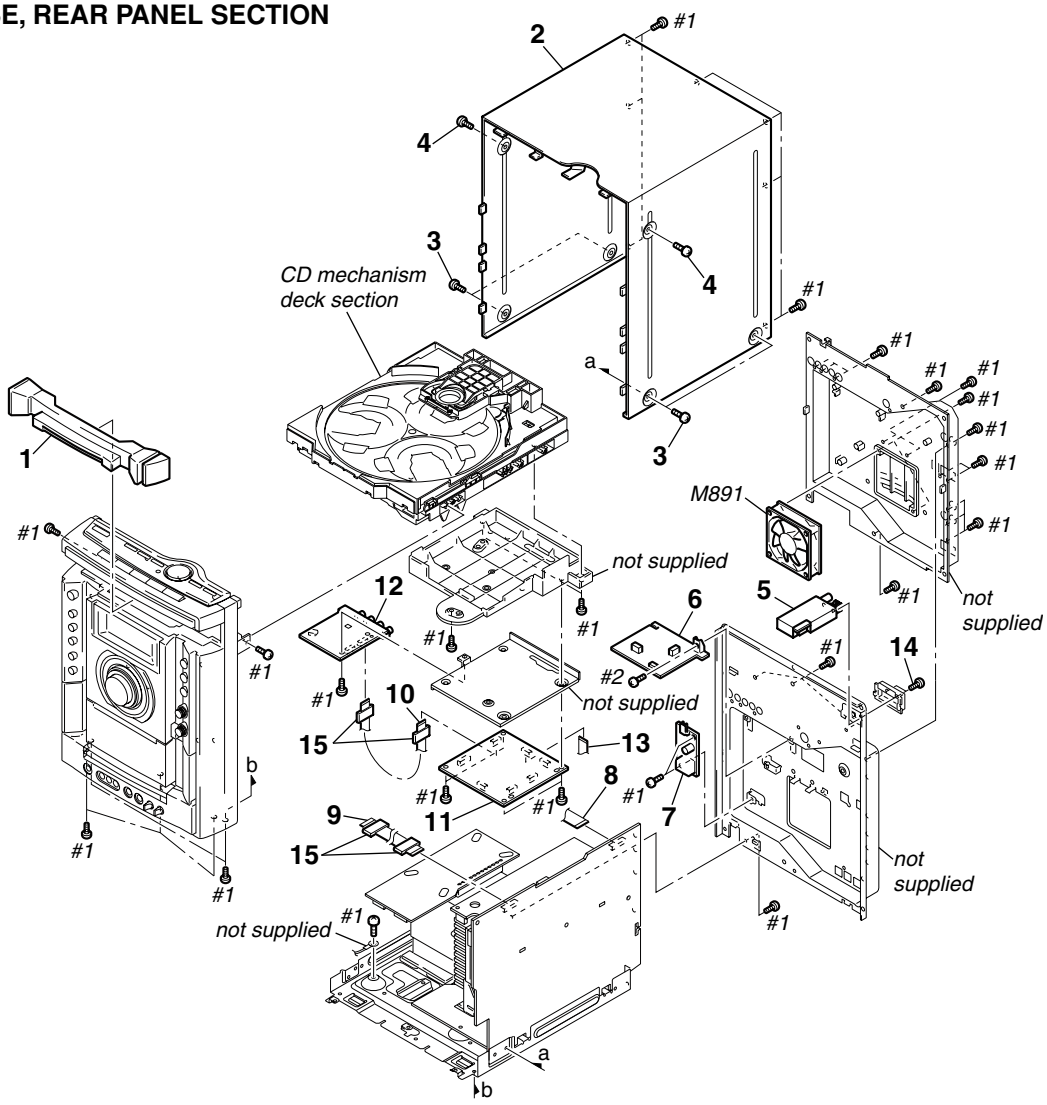
# SECTION 8
# EXPLODED VIEWS

**NOTE:**

- The illustration depicts HCD-GNV111D.
- -XX, -X mean standardized parts, so they may have some differences from the original one.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Hardware (# mark) list and accessories are given in the last of this parts list.
- Abbreviation
  AUS: Australian model
  E2 : 120V AC Area in E model
  E3 : 240V AC Area in E model
  E12 : 220V-240V AC Area in E model
  E13 : 220V-230V AC Area in E model
  E15 : Iran model
  EA : Saudi Arabia model
  MY : Malaysia model
  MX : Mexican model
  PH : Philippines model
  SP : Singapore model
  TH : Thai model

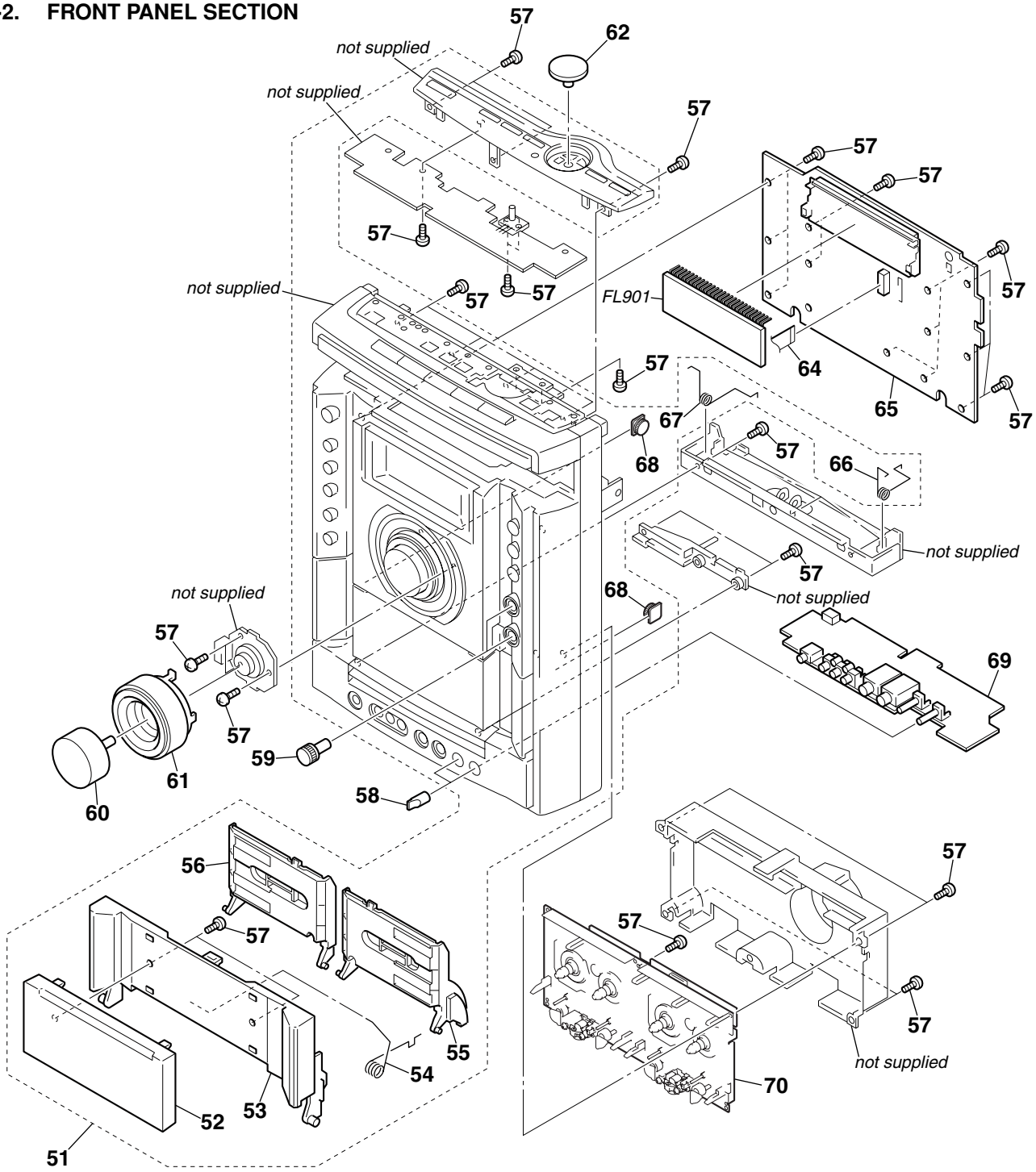
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

## 8-1. CASE, REAR PANEL SECTION




| Ref. No. | Part No. | Description | Remarks |
|---|---|---|---|
| 1 | X-2050-304-1 | LOADING PANEL ASSY (GNV99D) | |
| 1 | X-2050-305-1 | LOADING PANEL ASSY (E2, MX) | |
| 1 | X-2055-737-1 | LOADING PANEL ASSY (GNV111D: EXCEPT E2, MX) | |
| 2 | 2-342-137-11 | CASE (GNV99D) | |
| 2 | 2-342-137-31 | CASE (GNV111D) | |
| 3 | 3-363-099-02 | SCREW (CASE 3 TP2) | |
| 4 | 3-363-099-32 | SCREW (CASE 3 TP2) | |
| 5 | 1-693-671-11 | TUNER (TM-10E) | |
| 6 | A-1089-510-A | PRIMARY BOARD, COMPLETE (EXCEPT TH, MX, AUS) | |
| 6 | A-1089-525-A | PRIMARY BOARD, COMPLETE (MX, AUS) | |
| 6 | A-1114-764-A | PRIMARY BOARD, COMPLETE (TH) | |
| ⚠7 | 1-468-737-21 | POWER, SWITCHING | |
| 8 | 1-828-622-11 | WIRE (FLAT TYPE) (19 CORE) | |
| 9 | 1-828-332-11 | WIRE (FLAT TYPE) (13 CORE) (250mm) | |
| 10 | 1-828-326-11 | WIRE (FLAT TYPE) (13 CORE) (65mm) (GNV99D: EXCEPT E12, SP/GNV111D) | |
| 10 | 1-828-328-11 | WIRE (FLAT TYPE) (13 CORE) (100mm) (GNV99D: E12, SP) | |
| 11 | A-1099-272-A | DMB10 BOARD, COMPLETE (E3, E12, E13, E15) | |
| 11 | A-1099-344-A | DMB10 BOARD, COMPLETE (E2, MX) | |
| 11 | A-1115-290-A | DMB10 BOARD, COMPLETE (TH) | |
| 11 | A-1115-347-A | DMB10 BOARD, COMPLETE (MY, SP, PH) | |
| 11 | A-1124-409-A | DMB10 BOARD, COMPLETE (EA, AUS) | |
| 12 | A-1101-214-A | VIDEO BOARD, COMPLETE (EXCEPT EA, TH, AUS) | |
| 12 | A-1119-149-A | VIDEO BOARD, COMPLETE (TH) | |
| 12 | A-1124-694-A | VIDEO BOARD, COMPLETE (EA, AUS) | |
| 13 | 1-828-252-11 | WIRE (FLAT TYPE) (24 CORE) | |
| 14 | 3-077-331-21 | +BV3 (3-CR) | |
| 15 | 1-500-657-11 | CORE, FERRITE | |
| M891 | 1-763-372-11 | FAN, DC | |
| #1 | 7-685-647-79 | SCREW +BVTP 3X10 TYPE2 IT-3 | |
| #2 | 7-685-646-79 | SCREW +BVTP 3X8 TYPE2 IT-3 | |

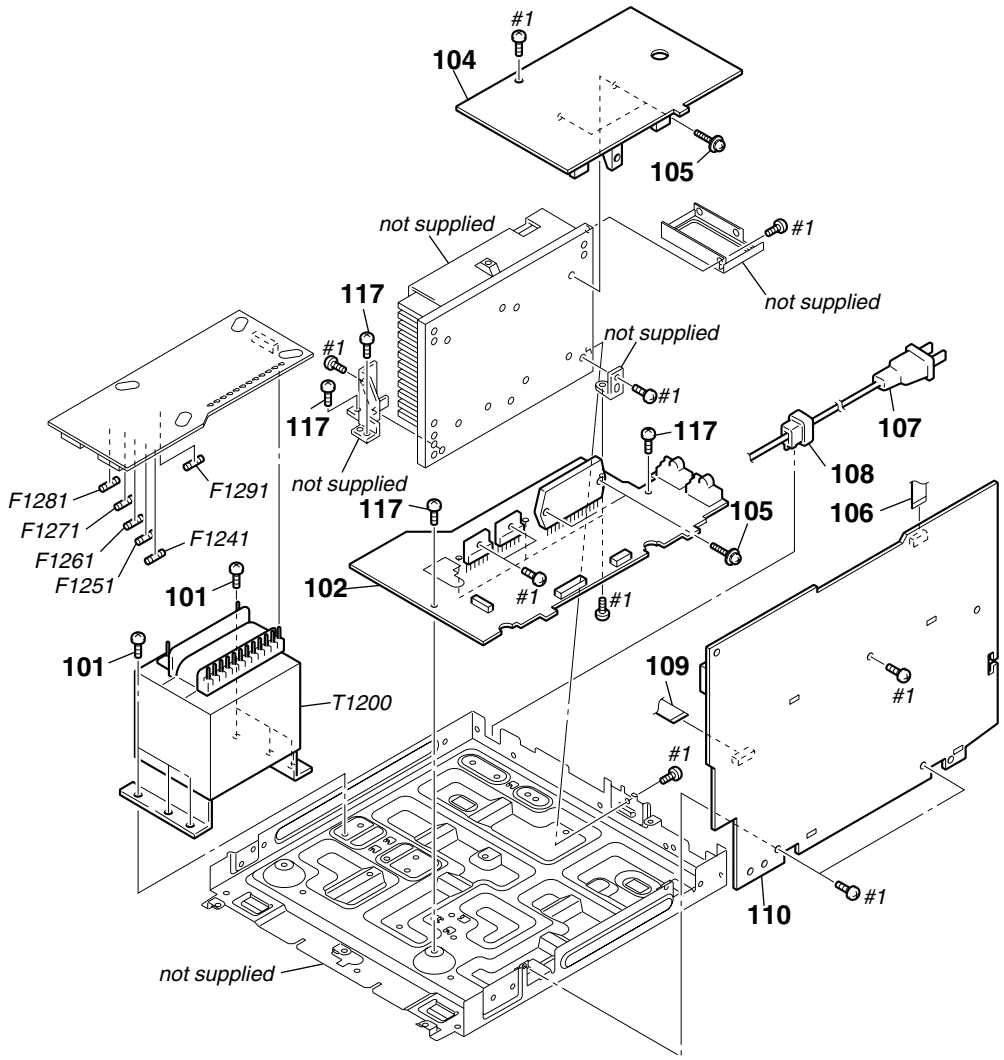
## 8-2. FRONT PANEL SECTION




| Ref. No. | Part No. | Description | Remarks |
|---|---|---|---|
| 51 | X-2050-302-1 | FRONT PANEL ASSY (GNV99D) | |
| 51 | X-2050-303-1 | FRONT PANEL ASSY (GNV111D) | |
| 52 | 2-342-128-01 | ESCUTHEON (LID) | |
| 53 | 2-342-108-01 | LID (TC) | |
| 54 | 2-342-134-01 | SPRING (LID) | |
| 55 | 2-342-111-01 | HOLDER (TC-R) | |
| 56 | 2-342-110-01 | HOLDER (TC-L) | |
| 57 | 3-087-053-01 | +BVTP2.6 (3CR) | |
| 58 | 4-224-578-21 | KNOB (MIC) | |
| 59 | 2-342-104-01 | KNOB (AMS) | |
| 60 | 4-252-575-01 | KNOB VOL | |
| 61 | X-2025-430-1 | KNOB JOG ASSY | |

| Ref. No. | Part No. | Description | Remarks |
|---|---|---|---|
| 62 | 2-320-994-01 | KNOB (JOG-X) (GNV111D) | |
| 64 | 1-828-992-11 | WIRE (FLAT TYPE) (17 CORE) | |
| 65 | A-1103-601-A | PANEL BOARD, COMPLETE (EXCEPT TH) | |
| 65 | A-1114-730-A | PANEL BOARD, COMPLETE (TH) | |
| 66 | 2-342-136-01 | SPRING (R) | |
| 67 | 2-342-135-01 | SPRING (L) | |
| 68 | 4-224-104-11 | DAMPER | |
| 69 | A-1099-294-A | MIC BOARD, COMPLETE (EXCEPT EA, TH, AUS) | |
| 69 | A-1114-733-A | MIC BOARD, COMPLETE (TH) | |
| 69 | A-1124-017-A | MIC BOARD, COMPLETE (EA, AUS) | |
| 70 | 1-797-166-11 | DECK, MECHANICAL (CMAT2E2) | |
| FL901 | 1-519-794-21 | VACUUM FLUORESCENT DISPLAYS | |

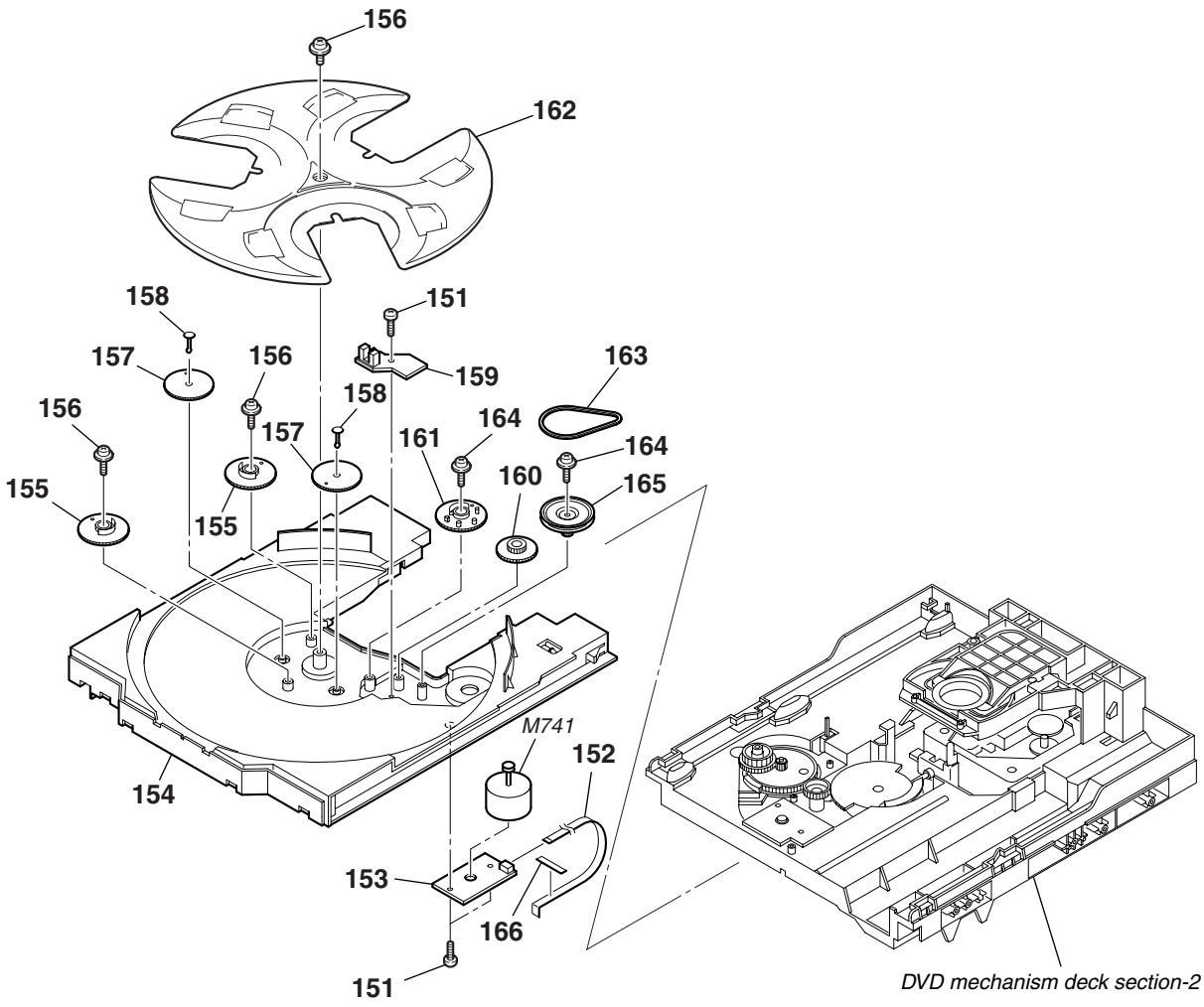
## 8-3. CHASSIS SECTION




| Ref. No. | Part No. | Description | Remarks |
|---|---|---|---|
| 101 | 4-900-386-01 | SCREW | |
| 102 | A-1089-532-A | PA BOARD, COMPLETE (GNV99D: EXCEPT TH) | |
| 102 | A-1089-591-A | PA BOARD, COMPLETE (E2, MX) | |
| 102 | A-1113-624-A | PA BOARD, COMPLETE (GNV111D: TH) | |
| 102 | A-1114-756-A | PA BOARD, COMPLETE (GNV111D: EXCEPT TH) | |
| 102 | A-1114-765-A | PA BOARD, COMPLETE (GNV99D: TH) | |
| 104 | A-1099-771-A | DVD SURR BOARD, COMPLETE (E2, MX) | |
| 104 | A-1099-850-A | DVD SURR BOARD, COMPLETE (GNV99D: EXCEPT TH) | |
| 104 | A-1114-979-A | DVD SURR BOARD, COMPLETE (GNV111D: EXCEPT E2, MX, TH) | |
| 104 | A-1124-096-A | DVD SURR BOARD, COMPLETE (GNV111D: TH) | |
| 104 | A-1124-108-A | DVD SURR BOARD, COMPLETE (GNV99D: TH) | |
| 105 | 3-905-609-31 | SCREW (TRANSISTOR) | |
| 106 | 1-828-956-11 | WIRE (FLAT TYPE) (9 CORE) | |
| ⚠107 | 1-777-071-53 | CORD, POWER (E12, E13, EA, MY, SP, PH) | |
| ⚠107 | 1-824-818-11 | CORD, POWER (WITH CONNECTOR) (TH) | |
| ⚠107 | 1-827-295-22 | CORD, POWER (AUS) | |
| ⚠107 | 1-829-627-31 | POWER-SUPPLY CORD (E3, E15, E2, MX) | |
| * 108 | 3-703-244-00 | BUSHING (2104), CORD (EXCEPT E3, E15, E2, MX) | |
| 108 | 3-703-571-11 | BUSHING (S) (4516), CORD (E3, E15, E2, MX) | |
| 109 | 1-828-972-11 | WIRE (FLAT TYPE) (13 CORE) (130mm) | |
| 110 | A-1099-580-A | MAIN BOARD, COMPLETE (E2) | |
| 110 | A-1099-615-A | MAIN BOARD, COMPLETE (GNV99D: E3) | |
| 110 | A-1115-267-A | MAIN BOARD, COMPLETE (GNV99D: EA) | |
| 110 | A-1115-283-A | MAIN BOARD, COMPLETE (GNV99D: E15) | |

| Ref. No. | Part No. | Description | Remarks |
|---|---|---|---|
| 110 | A-1115-286-A | MAIN BOARD, COMPLETE (GNV99D: SP, PH) | |
| 110 | A-1115-291-A | MAIN BOARD, COMPLETE (GNV99D: TH) | |
| 110 | A-1115-312-A | MAIN BOARD, COMPLETE (GNV111D: MY, SP) | |
| 110 | A-1115-322-A | MAIN BOARD, COMPLETE (GNV111D: E15) | |
| 110 | A-1115-326-A | MAIN BOARD, COMPLETE (GNV111D: EA) | |
| 110 | A-1115-330-A | MAIN BOARD, COMPLETE (GNV111D: PH) | |
| 110 | A-1115-333-A | MAIN BOARD, COMPLETE (AUS) | |
| 110 | A-1115-336-A | MAIN BOARD, COMPLETE (MX) | |
| 110 | A-1115-339-A | MAIN BOARD, COMPLETE (GNV111D: TH) | |
| 110 | A-1117-691-A | MAIN BOARD, COMPLETE (GNV111D: E3) | |
| 110 | A-1119-698-A | MAIN BOARD, COMPLETE (GNV111D: E12) | |
| 110 | A-1119-735-A | MAIN BOARD, COMPLETE (E13) | |
| 110 | A-1119-775-A | MAIN BOARD, COMPLETE (GNV99D: E12) | |
| 117 | 3-077-331-21 | +BV3 (3-CR) | |
| ⚠F1241 | 1-576-655-12 | FUSE, GLASS TUBE (DIA. 5) (T8AL/250V) | |
| ⚠F1251 | 1-576-655-12 | FUSE, GLASS TUBE (DIA. 5) (T8AL/250V) | |
| ⚠F1261 | 1-576-655-12 | FUSE, GLASS TUBE (DIA. 5) (T8AL/250V) | |
| ⚠F1271 | 1-576-655-12 | FUSE, GLASS TUBE (DIA. 5) (T8AL/250V) | |
| ⚠F1281 | 1-533-470-12 | FUSE, GLASS TUBE (DIA. 5) (T3.15AL/250V) | |
| ⚠F1291 | 1-533-470-12 | FUSE, GLASS TUBE (DIA. 5) (T3.15AL/250V) | |
| ⚠T1200 | 1-443-585-11 | POWER TRANSFORMER (GNV111D: EXCEPT EA, MX) | |
| ⚠T1200 | 1-443-586-11 | POWER TRANSFORMER (GNV99D: EXCEPT EA) | |
| ⚠T1200 | 1-443-753-11 | POWER TRANSFORMER (MX) | |
| ⚠T1200 | 1-443-754-11 | POWER TRANSFORMER (GNV111D: EA) | |
| ⚠T1200 | 1-443-755-11 | POWER TRANSFORMER (GNV99D: EA) | |
| #1 | 7-685-647-79 | SCREW +BVTP 3X10 TYPE2 IT-3 | |

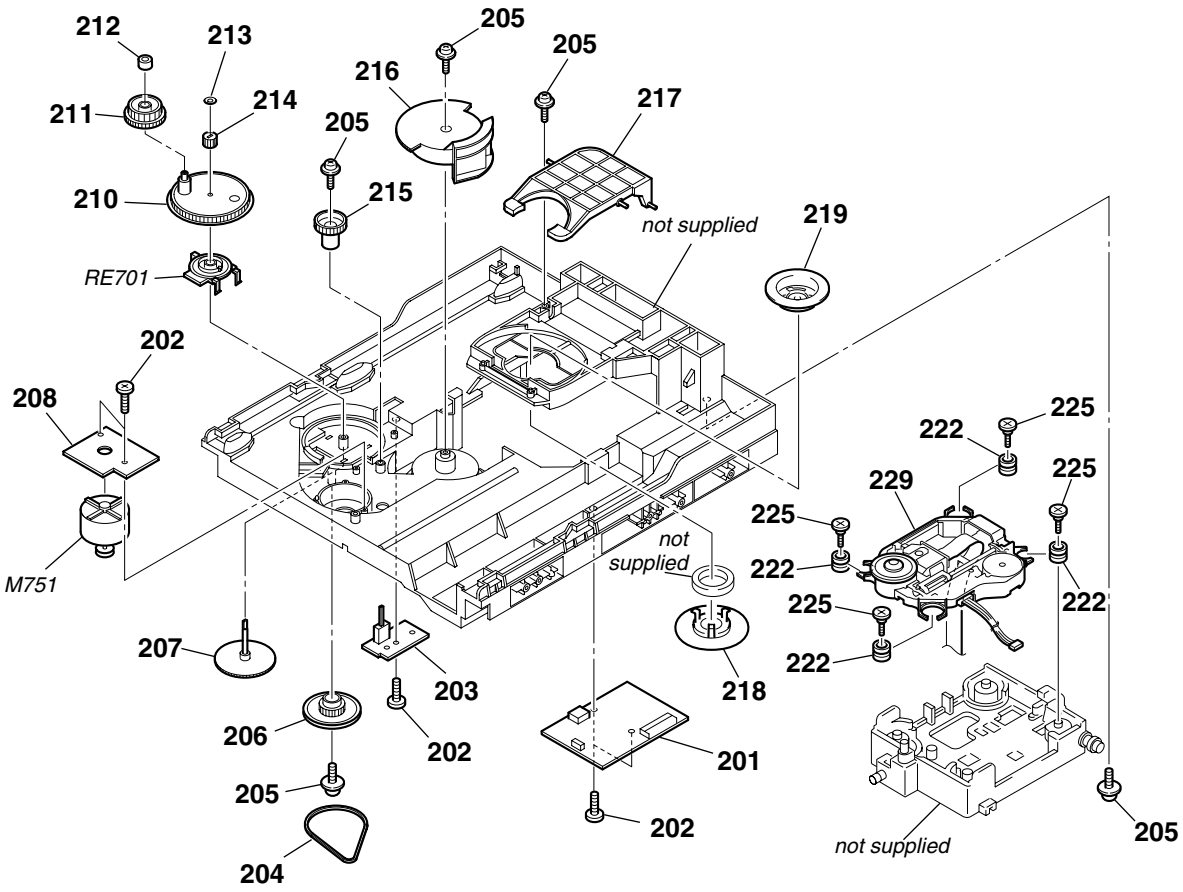
## 8-4. DVD MECHANISM SECTION-1 (CDM74H-DVBU101)




| Ref. No. | Part No. | Description | Remarks |
|---|---|---|---|
| 151 | 4-218-253-42 | SCREW (M2.6), +BTTP | |
| 152 | 1-776-182-11 | WIRE (FLAT TYPE) (5 CORE) | |
| 153 | 1-687-134-12 | MOTOR (TB) BOARD | |
| 154 | 4-243-815-01 | TABLE (LOADING) | |
| 155 | 4-245-571-02 | GEAR (STOPPER) | |
| 156 | 4-218-252-61 | SCREW (+PTPWH M2.6), FLOATING | |
| 157 | 4-245-570-01 | GEAR (JOINT) | |
| 158 | 4-245-572-01 | BUSHING (GEAR) | |
| 159 | 1-687-132-12 | SENSOR BOARD | |

| Ref. No. | Part No. | Description | Remarks |
|---|---|---|---|
| 160 | 4-243-820-01 | GEAR (TABLE) | |
| 161 | 4-243-819-01 | GEAR (GENEVA) | |
| 162 | 4-243-816-21 | TRAY | |
| 163 | 4-243-823-01 | BELT (TABLE) | |
| 164 | 4-985-672-01 | SCREW (+PTPWH M2.6), FLOATING | |
| 165 | 4-243-821-01 | PULLEY (TABLE) | |
| 166 | 3-231-598-01 | SHEET (BA) | |
| M741 | A-1108-965-A | MOTOR ASSY, TABLE | |

## 8-5. DVD MECHANISM SECTION-2 (CDM74H-DVBU101)




| Ref. No. | Part No. | Description | Remarks |
|---|---|---|---|
| 201 | 1-687-135-12 | DRIVER BOARD | |
| 202 | 4-218-253-32 | SCREW (M2.6), +BTTP | |
| 203 | 1-687-669-12 | SW BOARD | |
| 204 | 4-244-034-01 | BELT (LOADING) | |
| 205 | 4-218-252-52 | SCREW (+PTPWH M2.6), FLOATING | |
| 206 | 4-225-844-01 | GEAR (LOADING A) | |
| 207 | 4-224-613-01 | GEAR (SHAFT) | |
| 208 | 1-687-133-12 | MOTOR (LD) BOARD | |
| 210 | 4-244-108-01 | GEAR, SWING | |
| 211 | 4-224-609-01 | GEAR (LOADING C) | |
| 212 | 4-224-608-01 | COLLAR, SWING | |
| 213 | 3-016-533-11 | WASHER (FR), STOPPER | |
| 214 | 4-224-611-01 | GEAR (LOADING B) | |
| 215 | 4-224-606-01 | GEAR (RV) | |
| 216 | 4-243-818-01 | GEAR (U/D) | |
| 217 | 2-541-918-01 | LIFTER (H), LEVER | |
| 218 | 2-345-982-01 | PULLEY A (310), CHUCKING | |
| 219 | 2-345-983-01 | PULLEY B (310), CHUCKING | |
| 222 | 2-589-793-01 | INSULATOR (EXCEPT TH) | |
| 222 | 3-088-372-01 | INSULATOR (TH) | |
| 225 | 3-087-599-01 | INSULATOR SCREW | |
| ⚠229 | 8-820-291-02 | OPTICAL PICK-UP KHM-310CAB/C2RP | |
| M751 | A-4737-553-A | MOTOR ASSY, LOADING | |
| RE701 | 1-477-680-12 | ENCODER, ROTARY | |

# SECTION 9
# ELECTRICAL PARTS LIST

**NOTE:**

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX, -X mean standardized parts, so they may have some difference from the original one.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- CAPACITORS:
  uF: µF
- RESISTORS
  All resistors are in ohms.
  METAL: metal-film resistor
  METAL OXIDE: Metal Oxide-film resistor
  F: nonflammable
- COILS
  uH: µH
- SEMICONDUCTORS
  In each case, u: µ, for example:
  uA...: µA... , uPA... , µPA... ,
  uPB... , µPB... , uPC... , µPC... ,
  uPD..., µPD...
- Abbreviation
  AUS: Australian model
  E2 : 120V AC Area in E model
  E3 : 240V AC Area in E model
  E12 : 220V-240V AC Area in E model
  E13 : 220V-230V AC Area in E model
  E15 : Iran model
  EA : Saudi Arabia model
  MY : Malaysia model
  MX : Mexican model
  PH : Philippines model
  SP : Singapore model
  TH : Thai model

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

When indicating parts by reference number, please include the board.

| Ref. No. | Part No. | Description | | | Remarks |
|---|---|---|---|---|---|
| | | CD-SW BOARD | | | |
| | | ********** | | | |
| | | < CAPACITOR > | | | |
| C1146 | 1-162-964-11 | CERAMIC CHIP | 0.001uF | 10% | 50V (GNV111D) |
| | | < RESISTOR > | | | |
| R1149 | 1-216-837-11 | METAL CHIP | 22K | 5% | 1/10W (GNV111D) |
| R1150 | 1-216-835-11 | METAL CHIP | 15K | 5% | 1/10W (GNV111D) |
| R1151 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W (GNV111D) |
| R1152 | 1-218-867-11 | METAL CHIP | 6.8K | 0.5% | 1/10W (GNV111D) |
| R1153 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W (GNV111D) |
| R1154 | 1-216-827-11 | METAL CHIP | 3.3K | 5% | 1/10W (GNV111D) |
| R1155 | 1-216-825-11 | METAL CHIP | 2.2K | 5% | 1/10W (GNV111D) |
| R1169 | 1-216-817-11 | METAL CHIP | 470 | 5% | 1/10W |
| R1170 | 1-218-867-11 | METAL CHIP | 6.8K | 0.5% | 1/10W (GNV111D) |
| R1171 | 1-216-823-11 | METAL CHIP | 1.5K | 5% | 1/10W |
| R1172 | 1-216-823-11 | METAL CHIP | 1.5K | 5% | 1/10W |
| R1173 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R1174 | 1-216-819-11 | METAL CHIP | 680 | 5% | 1/10W |
| R1193 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W (GNV111D) |
| | | < SWITCH > | | | |
| S1148 | 1-478-133-11 | ENCODER, ROTARY (X-ROUND JOG) (GNV111D) | | | |
| S1149 | 1-762-875-21 | SWITCH, KEYBOARD (TWISTER) (GNV111D) | | | |
| S1150 | 1-762-875-21 | SWITCH, KEYBOARD (RANDOM) (GNV111D) | | | |
| S1151 | 1-762-875-21 | SWITCH, KEYBOARD (AUTO/MANUAL) (GNV111D) | | | |
| S1152 | 1-762-875-21 | SWITCH, KEYBOARD (BALANCE) (GNV111D) | | | |
| S1153 | 1-762-875-21 | SWITCH, KEYBOARD (FADER) (GNV111D) | | | |
| S1154 | 1-762-875-21 | SWITCH, KEYBOARD (WAVE) (GNV111D) | | | |
| S1155 | 1-762-875-21 | SWITCH, KEYBOARD (SPEAKERS/X-ROUND OFF) (GNV111D) | | | |
| S1156 | 1-762-875-21 | SWITCH, KEYBOARD (DISC 1) | | | |
| S1157 | 1-762-875-21 | SWITCH, KEYBOARD (DISC 2) | | | |
| S1158 | 1-762-875-21 | SWITCH, KEYBOARD (DISC 3) | | | |
| S1159 | 1-762-875-21 | SWITCH, KEYBOARD (EX-CHANGE/DISC SKIP) | | | |
| S1160 | 1-762-875-21 | SWITCH, KEYBOARD (⏏ OPEN/CLOSE) | | | |
| ********** | | | | | |
| | A-1099-272-A | DMB10 BOARD, COMPLETE (E3, E12, E13, E15) | | | |
| | A-1099-344-A | DMB10 BOARD, COMPLETE (E2, MX) | | | |
| | A-1115-290-A | DMB10 BOARD, COMPLETE (TH) | | | |
| | A-1115-347-A | DMB10 BOARD, COMPLETE (MY, SP, PH) | | | |
| | A-1124-409-A | DMB10 BOARD, COMPLETE (EA, AUS) | | | |
| | | ********** | | | |
| | | < CAPACITOR > | | | |
| C101 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C102 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C105 | 1-126-205-11 | ELECT CHIP | 47uF | 20% | 6.3V |
| C106 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C108 | 1-162-964-11 | CERAMIC CHIP | 0.001uF | 10% | 50V |
| C109 | 1-162-964-11 | CERAMIC CHIP | 0.001uF | 10% | 50V |
| C112 | 1-126-205-11 | ELECT CHIP | 47uF | 20% | 6.3V |
| C113 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C114 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C115 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C116 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C117 | 1-124-779-00 | ELECT CHIP | 10uF | 20% | 16V |
| C118 | 1-124-779-00 | ELECT CHIP | 10uF | 20% | 16V |
| C119 | 1-124-779-00 | ELECT CHIP | 10uF | 20% | 16V |
| C120 | 1-165-908-11 | CERAMIC CHIP | 1uF | 10% | 10V |
| C121 | 1-165-908-11 | CERAMIC CHIP | 1uF | 10% | 10V |
| C122 | 1-165-908-11 | CERAMIC CHIP | 1uF | 10% | 10V |
| C123 | 1-165-908-11 | CERAMIC CHIP | 1uF | 10% | 10V |
| C124 | 1-165-908-11 | CERAMIC CHIP | 1uF | 10% | 10V |
| C125 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C126 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C127 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C128 | 1-162-965-11 | CERAMIC CHIP | 0.0015uF | 10% | 50V |
| C129 | 1-124-779-00 | ELECT CHIP | 10uF | 20% | 16V |
| C130 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C131 | 1-125-838-11 | CERAMIC CHIP | 2.2uF | 10% | 6.3V |

| Ref. No. | Part No. | Description | | | Remarks |
|---|---|---|---|---|---|
| C132 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C133 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C135 | 1-164-677-11 | CERAMIC CHIP | 0.033uF | 10% | 16V |
| C136 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C137 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C138 | 1-162-964-11 | CERAMIC CHIP | 0.001uF | 10% | 50V |
| C139 | 1-162-919-11 | CERAMIC CHIP | 22PF | 5% | 50V |
| C140 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C141 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C142 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C143 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C144 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C145 | 1-165-908-11 | CERAMIC CHIP | 1uF | 10% | 10V |
| C146 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C147 | 1-165-176-11 | CERAMIC CHIP | 0.047uF | 10% | 16V |
| C148 | 1-165-176-11 | CERAMIC CHIP | 0.047uF | 10% | 16V |
| C149 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C150 | 1-124-779-00 | ELECT CHIP | 10uF | 20% | 16V |
| C151 | 1-115-416-11 | CERAMIC CHIP | 0.001uF | 5% | 25V |
| C152 | 1-162-916-11 | CERAMIC CHIP | 12PF | 5% | 50V |
| C153 | 1-162-916-11 | CERAMIC CHIP | 12PF | 5% | 50V |
| C154 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C155 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C156 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C158 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C159 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C160 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C161 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C162 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C163 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C164 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C167 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C170 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C171 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C172 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C173 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C174 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C175 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C176 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C177 | 1-126-205-11 | ELECT CHIP | 47uF | 20% | 6.3V |
| C178 | 1-126-208-21 | ELECT CHIP | 47uF | 20% | 4V |
| C179 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C180 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C181 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C182 | 1-127-715-91 | CERAMIC CHIP | 0.22uF | 10% | 16V |
| C184 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C187 | 1-126-208-21 | ELECT CHIP | 47uF | 20% | 4V |
| C188 | 1-127-715-91 | CERAMIC CHIP | 0.22uF | 10% | 16V |
| C189 | 1-128-934-91 | CERAMIC CHIP | 0.33uF | 20% | 10V |
| C190 | 1-126-205-11 | ELECT CHIP | 47uF | 20% | 6.3V |
| C191 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C192 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C193 | 1-127-715-91 | CERAMIC CHIP | 0.22uF | 10% | 16V |
| C195 | 1-127-715-91 | CERAMIC CHIP | 0.22uF | 10% | 16V |
| C196 | 1-162-968-11 | CERAMIC CHIP | 0.0047uF | 10% | 50V |
| C203 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C205 | 1-164-230-11 | CERAMIC CHIP | 220PF | 5% | 50V |
| C206 | 1-164-230-11 | CERAMIC CHIP | 220PF | 5% | 50V |
| C208 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C209 | 1-164-677-11 | CERAMIC CHIP | 0.033uF | 10% | 16V |
| C210 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C211 | 1-164-677-11 | CERAMIC CHIP | 0.033uF | 10% | 16V |
| C212 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C213 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C214 | 1-162-964-11 | CERAMIC CHIP | 0.001uF | 10% | 50V |
| C215 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C217 | 1-126-204-11 | ELECT CHIP | 47uF | 20% | 16V |
| C218 | 1-124-779-00 | ELECT CHIP | 10uF | 20% | 16V |
| C219 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C220 | 1-124-779-00 | ELECT CHIP | 10uF | 20% | 16V |
| C221 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C222 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C224 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C233 | 1-162-968-11 | CERAMIC CHIP | 0.0047uF | 10% | 50V |
| C301 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C302 | 1-125-891-11 | CERAMIC CHIP | 0.47uF | 10% | 10V |
| C305 | 1-125-891-11 | CERAMIC CHIP | 0.47uF | 10% | 10V |
| C306 | 1-126-206-11 | ELECT CHIP | 100uF | 20% | 6.3V |
| C307 | 1-126-206-11 | ELECT CHIP | 100uF | 20% | 6.3V |
| C308 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C402 | 1-126-204-11 | ELECT CHIP | 47uF | 20% | 16V |
| C403 | 1-126-205-11 | ELECT CHIP | 47uF | 20% | 6.3V |
| C3601 | 1-117-370-11 | CERAMIC CHIP | 10uF | | 10V |
| C3602 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C3603 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C3605 | 1-126-205-11 | ELECT CHIP | 47uF | 20% | 6.3V |
| C3606 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C3607 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C3608 | 1-124-779-00 | ELECT CHIP | 10uF | 20% | 16V |
| C3609 | 1-124-779-00 | ELECT CHIP | 10uF | 20% | 16V |
| C3610 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C3611 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C3621 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C3701 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C3702 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C3703 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C3704 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C3705 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C3706 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C3707 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C3708 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C3711 | 1-162-977-11 | CERAMIC CHIP | 0.0018uF | 10% | 50V |
| C3712 | 1-162-966-11 | CERAMIC CHIP | 0.0022uF | 10% | 50V |
| C3713 | 1-162-961-11 | CERAMIC CHIP | 330PF | 10% | 50V |
| C3714 | 1-162-961-11 | CERAMIC CHIP | 330PF | 10% | 50V |
| C3721 | 1-162-977-11 | CERAMIC CHIP | 0.0018uF | 10% | 50V |
| C3722 | 1-162-966-11 | CERAMIC CHIP | 0.0022uF | 10% | 50V |
| C3723 | 1-162-961-11 | CERAMIC CHIP | 330PF | 10% | 50V |
| C3724 | 1-162-961-11 | CERAMIC CHIP | 330PF | 10% | 50V |
| C3731 | 1-162-977-11 | CERAMIC CHIP | 0.0018uF | 10% | 50V |
| C3732 | 1-162-966-11 | CERAMIC CHIP | 0.0022uF | 10% | 50V |
| C3733 | 1-162-961-11 | CERAMIC CHIP | 330PF | 10% | 50V |
| C3734 | 1-162-961-11 | CERAMIC CHIP | 330PF | 10% | 50V |
| C3741 | 1-162-977-11 | CERAMIC CHIP | 0.0018uF | 10% | 50V |
| C3742 | 1-162-966-11 | CERAMIC CHIP | 0.0022uF | 10% | 50V |

| Ref. No. | Part No. | Description | | | Remarks |
|---|---|---|---|---|---|
| C3743 | 1-162-961-11 | CERAMIC CHIP | 330PF | 10% | 50V |
| C3744 | 1-162-961-11 | CERAMIC CHIP | 330PF | 10% | 50V |
| C3751 | 1-162-977-11 | CERAMIC CHIP | 0.0018uF | 10% | 50V |
| C3752 | 1-162-966-11 | CERAMIC CHIP | 0.0022uF | 10% | 50V |
| C3753 | 1-162-961-11 | CERAMIC CHIP | 330PF | 10% | 50V |
| C3754 | 1-162-961-11 | CERAMIC CHIP | 330PF | 10% | 50V |
| C3761 | 1-162-977-11 | CERAMIC CHIP | 0.0018uF | 10% | 50V |
| C3762 | 1-162-966-11 | CERAMIC CHIP | 0.0022uF | 10% | 50V |
| C3763 | 1-162-961-11 | CERAMIC CHIP | 330PF | 10% | 50V |
| C3764 | 1-162-961-11 | CERAMIC CHIP | 330PF | 10% | 50V |
| C3771 | 1-162-977-11 | CERAMIC CHIP | 0.0018uF | 10% | 50V |
| C3772 | 1-162-966-11 | CERAMIC CHIP | 0.0022uF | 10% | 50V |
| C3773 | 1-162-961-11 | CERAMIC CHIP | 330PF | 10% | 50V |
| C3774 | 1-162-961-11 | CERAMIC CHIP | 330PF | 10% | 50V |
| C3781 | 1-162-977-11 | CERAMIC CHIP | 0.0018uF | 10% | 50V |
| C3782 | 1-162-966-11 | CERAMIC CHIP | 0.0022uF | 10% | 50V |
| C3783 | 1-162-961-11 | CERAMIC CHIP | 330PF | 10% | 50V |
| C3784 | 1-162-961-11 | CERAMIC CHIP | 330PF | 10% | 50V |
| C3801 | 1-126-206-11 | ELECT CHIP | 100uF | 20% | 6.3V |
| C3802 | 1-117-370-11 | CERAMIC CHIP | 10uF | | 10V |
| C3803 | 1-124-779-00 | ELECT CHIP | 10uF | 20% | 16V(TH) |
| C3803 | 1-126-209-11 | ELECT CHIP | 100uF | 20% | 4V (EXCEPT TH) |
| C3804 | 1-124-779-00 | ELECT CHIP | 10uF | 20% | 16V(TH) |
| C3804 | 1-126-205-11 | ELECT CHIP | 47uF | 20% | 6.3V (EXCEPT TH) |
| C3805 | 1-126-208-21 | ELECT CHIP | 47uF | 20% | 4V (EXCEPT TH) |
| | | < CONNECTOR > | | | |
| CN101 | 1-815-763-32 | CONNECTOR, FFC/FPC 24P | | | |
| CN103 | 1-784-365-21 | CONNECTOR, FFC/FPC 5P | | | |
| * CN105 | 1-770-470-21 | PIN, CONNECTOR (PC BOARD) 6P | | | |
| CN106 | 1-793-989-21 | FFC/CONNECTOR, FPC (LIF (NON-ZIF)) 13P | | | |
| * CN201 | 1-770-470-21 | PIN, CONNECTOR (PC BOARD) 6P | | | |
| CN301 | 1-793-989-21 | FFC/CONNECTOR, FPC (LIF (NON-ZIF)) 13P | | | |
| CN302 | 1-778-691-11 | CONNECTOR, FFC/FPC 19P | | | |
| CN401 | 1-779-993-11 | PIN, CONNECTOR (PWB) 5P | | | |
| | | < DIODE > | | | |
| D1001 | 8-719-058-24 | DIODE RB501V-40TE-17 | | | |
| D3501 | 8-719-988-61 | DIODE 1SS355TE-17 | | | |
| D3502 | 8-719-988-61 | DIODE 1SS355TE-17 | | | |
| D3601 | 8-719-988-61 | DIODE 1SS355TE-17 | | | |
| D3602 | 8-719-988-61 | DIODE 1SS355TE-17 | | | |
| | | < FERRITE BEAD > | | | |
| FB111 | 1-414-226-21 | INDUCTOR, FERRITE BEAD | | | |
| FB112 | 1-414-226-21 | INDUCTOR, FERRITE BEAD | | | |
| FB113 | 1-414-226-21 | INDUCTOR, FERRITE BEAD | | | |
| FB114 | 1-414-226-21 | INDUCTOR, FERRITE BEAD | | | |
| FB115 | 1-414-226-21 | INDUCTOR, FERRITE BEAD | | | |
| FB401 | 1-469-324-21 | FERRITE, EMI (SMD) (2012) | | | |
| FB402 | 1-469-324-21 | FERRITE, EMI (SMD) (2012) | | | |
| FB403 | 1-469-324-21 | FERRITE, EMI (SMD) (2012) | | | |
| FB404 | 1-469-324-21 | FERRITE, EMI (SMD) (2012) | | | |
| FB405 | 1-469-324-21 | FERRITE, EMI (SMD) (2012) | | | |
| FB406 | 1-469-324-21 | FERRITE, EMI (SMD) (2012) | | | |

| Ref. No. | Part No. | Description | | | Remarks |
|---|---|---|---|---|---|
| | | < FILTER > | | | |
| FL101 | 1-234-177-21 | FILTER, CHIP EMI | | | |
| FL104 | 1-234-177-21 | FILTER, CHIP EMI | | | |
| FL105 | 1-234-177-21 | FILTER, CHIP EMI | | | |
| FL106 | 1-234-177-21 | FILTER, CHIP EMI | | | |
| FL107 | 1-234-177-21 | FILTER, CHIP EMI | | | |
| FL108 | 1-234-177-21 | FILTER, CHIP EMI | | | |
| FL401 | 1-234-177-21 | FILTER, CHIP EMI | | | |
| FL402 | 1-233-893-21 | FILTER, CHIP EMI | | | |
| FL403 | 1-234-177-21 | FILTER, CHIP EMI | | | |
| | | < IC > | | | |
| IC101 | 6-805-261-01 | IC MBM29DL32TF70-CBA2-0501UC (E2, MX) | | | |
| IC101 | 6-805-262-01 | IC MBM29DL32TF70-CBA2-0501CE (E3, E12, E13, E15, EA, AUS) | | | |
| IC101 | 6-805-263-01 | IC MBM29DL32TF70-CBA2-0501GA (MY, SP, TH, PH) | | | |
| IC102 | 6-706-727-01 | IC CXD9804R | | | |
| IC103 | (Not Supplied) | IC BR24L64F-WE2 | | | |
| IC104 | 6-705-929-01 | IC K4S641632H-UC75T | | | |
| IC105 | 6-702-302-01 | IC TK11133CSCL-G | | | |
| IC106 | 6-708-153-01 | IC PQ018EN01ZPH | | | |
| IC107 | 6-702-302-01 | IC TK11133CSCL-G | | | |
| IC201 | 6-704-524-01 | IC FAN8036L | | | |
| IC301 | 6-704-222-01 | IC AK4358VQ-L | | | |
| IC3601 | 6-707-608-01 | IC PCM1803DBR | | | |
| IC3711 | 8-759-359-49 | IC NJM3414AV (TE2) | | | |
| IC3731 | 8-759-359-49 | IC NJM3414AV (TE2) | | | |
| IC3751 | 8-759-359-49 | IC NJM3414AV (TE2) | | | |
| IC3771 | 8-759-359-49 | IC NJM3414AV (TE2) | | | |
| | | < COIL > | | | |
| L3601 | 1-469-555-21 | INDUCTOR | 10uH | | |
| L3602 | 1-469-555-21 | INDUCTOR | 10uH | | |
| | | < TRANSISTOR > | | | |
| Q101 | 6-550-008-01 | TRANSISTOR UM6K1N-TN | | | |
| Q102 | 6-550-653-01 | TRANSISTOR QST8TR | | | |
| Q103 | 8-729-027-52 | TRANSISTOR DTC124EKA-T146 | | | |
| Q3801 | 8-729-230-49 | TRANSISTOR 2SC2712-YG | | | |
| | | < RESISTOR > | | | |
| R101 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R104 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R105 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R106 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R107 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R108 | 1-216-857-11 | METAL CHIP | 1M | 5% | 1/10W |
| R109 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R110 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R111 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R112 | 1-211-977-11 | METAL CHIP | 22 | 0.5% | 1/10W |
| R113 | 1-211-977-11 | METAL CHIP | 22 | 0.5% | 1/10W |
| R114 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W |
| R115 | 1-211-977-11 | METAL CHIP | 22 | 0.5% | 1/10W |
| R116 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R117 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |

New part of EEPROM (IC103) on the DMB10 board can not be used. Therefore, if the mounted DMB10 board (A-1099-272-A or A-1099-344-A or A-1115-347-A) is replaced, exchange new EEPROM with that used before the replacement.

| Ref. No. | Part No. | Description | | | Remarks |
|---|---|---|---|---|---|
| R118 | 1-216-801-11 | METAL CHIP | 22 | 5% | 1/10W |
| R120 | 1-216-801-11 | METAL CHIP | 22 | 5% | 1/10W |
| R121 | 1-216-801-11 | METAL CHIP | 22 | 5% | 1/10W |
| R123 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R124 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R126 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R133 | 1-216-827-11 | METAL CHIP | 3.3K | 5% | 1/10W |
| R134 | 1-216-827-11 | METAL CHIP | 3.3K | 5% | 1/10W |
| R135 | 1-216-827-11 | METAL CHIP | 3.3K | 5% | 1/10W |
| R136 | 1-216-835-11 | METAL CHIP | 15K | 5% | 1/10W |
| R138 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W |
| R141 | 1-218-916-11 | METAL CHIP | 750K | 0.5% | 1/10W |
| R142 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W |
| R143 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R144 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R146 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R151 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R152 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R153 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R155 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R160 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R161 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R164 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R169 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R187 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R189 | 1-218-827-11 | METAL CHIP | 150 | 0.5% | 1/10W |
| R190 | 1-218-827-11 | METAL CHIP | 150 | 0.5% | 1/10W |
| R191 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R192 | 1-218-827-11 | METAL CHIP | 150 | 0.5% | 1/10W |
| R193 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R195 | 1-218-827-11 | METAL CHIP | 150 | 0.5% | 1/10W |
| R196 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R197 | 1-218-827-11 | METAL CHIP | 150 | 0.5% | 1/10W |
| R204 | 1-216-822-11 | METAL CHIP | 1.2K | 5% | 1/10W |
| R205 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R206 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R207 | 1-216-826-11 | METAL CHIP | 2.7K | 5% | 1/10W |
| R208 | 1-216-839-11 | METAL CHIP | 33K | 5% | 1/10W |
| R209 | 1-216-839-11 | METAL CHIP | 33K | 5% | 1/10W |
| R210 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R212 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R213 | 1-218-867-11 | METAL CHIP | 6.8K | 0.5% | 1/10W |
| R214 | 1-216-835-11 | METAL CHIP | 15K | 5% | 1/10W |
| R215 | 1-216-834-11 | METAL CHIP | 12K | 5% | 1/10W |
| R216 | 1-216-834-11 | METAL CHIP | 12K | 5% | 1/10W |
| R219 | 1-216-838-11 | METAL CHIP | 27K | 5% | 1/10W |
| R220 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R221 | 1-218-889-11 | METAL CHIP | 56K | 0.5% | 1/10W |
| R223 | 1-218-895-11 | METAL CHIP | 100K | 0.5% | 1/10W |
| R224 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R225 | 1-218-895-11 | METAL CHIP | 100K | 0.5% | 1/10W |
| R226 | 1-218-889-11 | METAL CHIP | 56K | 0.5% | 1/10W |
| R230 | 1-218-893-11 | METAL CHIP | 82K | 0.5% | 1/10W |
| R231 | 1-218-875-11 | METAL CHIP | 15K | 0.5% | 1/10W |
| R232 | 1-218-877-11 | METAL CHIP | 18K | 0.5% | 1/10W |
| R233 | 1-218-883-11 | METAL CHIP | 33K | 0.5% | 1/10W |
| R234 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R246 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |

| Ref. No. | Part No. | Description | | | Remarks |
|---|---|---|---|---|---|
| R247 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R308 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R314 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R319 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R1101 | 1-216-825-11 | METAL CHIP | 2.2K | 5% | 1/10W |
| R1102 | 1-218-827-11 | METAL CHIP | 150 | 0.5% | 1/10W |
| R1103 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R1104 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R1105 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R1107 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R1108 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W (EXCEPT TH) |
| R1108 | 1-216-864-11 | SHORT CHIP | 0 (TH) | | |
| R1109 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R1110 | 1-216-826-11 | METAL CHIP | 2.7K | 5% | 1/10W |
| R1111 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R1120 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R1121 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R1122 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R1123 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R1124 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R1125 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R1129 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W |
| R1133 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R1134 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R1150 | 1-216-827-11 | METAL CHIP | 3.3K | 5% | 1/10W |
| R1151 | 1-216-827-11 | METAL CHIP | 3.3K | 5% | 1/10W |
| R1152 | 1-216-827-11 | METAL CHIP | 3.3K | 5% | 1/10W |
| R1168 | 1-216-817-11 | METAL CHIP | 470 | 5% | 1/10W |
| R1502 | 1-216-864-11 | SHORT CHIP | 0 (EXCEPT EA, AUS) | | |
| R1502 | 1-414-226-21 | INDUCTOR, FERRITE BEAD | (EA, AUS) | | |
| R1504 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R1524 | 1-216-864-11 | SHORT CHIP | 0 (EXCEPT EA, AUS) | | |
| R1524 | 1-414-226-21 | INDUCTOR, FERRITE BEAD | (EA, AUS) | | |
| R1526 | 1-216-864-11 | SHORT CHIP | 0 (EXCEPT EA, AUS) | | |
| R1526 | 1-414-226-21 | INDUCTOR, FERRITE BEAD | (EA, AUS) | | |
| R1527 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R1530 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R1531 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R1540 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R1542 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R1543 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R1544 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R1546 | 1-216-827-11 | METAL CHIP | 3.3K | 5% | 1/10W |
| R1547 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R1548 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R1549 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R1550 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R1551 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R1553 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R1554 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R1555 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R1557 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R2504 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R3501 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R3601 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R3602 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R3603 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |

| Ref. No. | Part No. | Description | | | Remarks |
|---|---|---|---|---|---|
| R3605 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R3606 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R3607 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R3609 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R3611 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R3621 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R3651 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R3652 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R3653 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R3711 | 1-216-823-11 | METAL CHIP | 1.5K | 5% | 1/10W |
| R3712 | 1-216-823-11 | METAL CHIP | 1.5K | 5% | 1/10W |
| R3713 | 1-216-828-11 | METAL CHIP | 3.9K | 5% | 1/10W |
| R3714 | 1-216-828-11 | METAL CHIP | 3.9K | 5% | 1/10W |
| R3715 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R3716 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R3717 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R3718 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R3719 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R3721 | 1-216-823-11 | METAL CHIP | 1.5K | 5% | 1/10W |
| R3722 | 1-216-823-11 | METAL CHIP | 1.5K | 5% | 1/10W |
| R3723 | 1-216-828-11 | METAL CHIP | 3.9K | 5% | 1/10W |
| R3724 | 1-216-828-11 | METAL CHIP | 3.9K | 5% | 1/10W |
| R3725 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R3726 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R3727 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R3728 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R3729 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R3731 | 1-216-823-11 | METAL CHIP | 1.5K | 5% | 1/10W |
| R3732 | 1-216-823-11 | METAL CHIP | 1.5K | 5% | 1/10W |
| R3733 | 1-216-828-11 | METAL CHIP | 3.9K | 5% | 1/10W |
| R3734 | 1-216-828-11 | METAL CHIP | 3.9K | 5% | 1/10W |
| R3735 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R3736 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R3737 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R3738 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R3739 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R3741 | 1-216-823-11 | METAL CHIP | 1.5K | 5% | 1/10W |
| R3742 | 1-216-823-11 | METAL CHIP | 1.5K | 5% | 1/10W |
| R3743 | 1-216-828-11 | METAL CHIP | 3.9K | 5% | 1/10W |
| R3744 | 1-216-828-11 | METAL CHIP | 3.9K | 5% | 1/10W |
| R3745 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R3746 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R3747 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R3748 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R3749 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R3751 | 1-216-823-11 | METAL CHIP | 1.5K | 5% | 1/10W |
| R3752 | 1-216-823-11 | METAL CHIP | 1.5K | 5% | 1/10W |
| R3753 | 1-216-828-11 | METAL CHIP | 3.9K | 5% | 1/10W |
| R3754 | 1-216-828-11 | METAL CHIP | 3.9K | 5% | 1/10W |
| R3755 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R3756 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R3757 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R3758 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R3759 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R3761 | 1-216-823-11 | METAL CHIP | 1.5K | 5% | 1/10W |
| R3762 | 1-216-823-11 | METAL CHIP | 1.5K | 5% | 1/10W |
| R3763 | 1-216-828-11 | METAL CHIP | 3.9K | 5% | 1/10W |
| R3764 | 1-216-828-11 | METAL CHIP | 3.9K | 5% | 1/10W |
| R3765 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R3766 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R3767 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R3768 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R3769 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R3771 | 1-216-823-11 | METAL CHIP | 1.5K | 5% | 1/10W |
| R3772 | 1-216-823-11 | METAL CHIP | 1.5K | 5% | 1/10W |
| R3773 | 1-216-828-11 | METAL CHIP | 3.9K | 5% | 1/10W |
| R3774 | 1-216-828-11 | METAL CHIP | 3.9K | 5% | 1/10W |
| R3775 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R3776 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R3777 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R3778 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R3779 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R3781 | 1-216-823-11 | METAL CHIP | 1.5K | 5% | 1/10W |
| R3782 | 1-216-823-11 | METAL CHIP | 1.5K | 5% | 1/10W |
| R3783 | 1-216-828-11 | METAL CHIP | 3.9K | 5% | 1/10W |
| R3784 | 1-216-828-11 | METAL CHIP | 3.9K | 5% | 1/10W |
| R3785 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R3786 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R3787 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R3788 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R3789 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R3801 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R3802 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R3803 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R3804 | 1-216-836-11 | METAL CHIP | 18K | 5% | 1/10W |
| R3805 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R4701 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R4702 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R4703 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R4704 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R4705 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R4706 | 1-216-864-11 | SHORT CHIP | 0 | | |

< COMPOSITION CIRCUIT BLOCK >

| | | | | | |
|---|---|---|---|---|---|
| RB103 | 1-234-795-21 | RES, NETWORK 0X4 (2010) | | | |
| RB104 | 1-234-795-21 | RES, NETWORK 0X4 (2010) | | | |
| RB105 | 1-234-371-21 | RES, NETWORK | 47 (1005X4) | | |
| RB106 | 1-234-371-21 | RES, NETWORK | 47 (1005X4) | | |
| RB107 | 1-234-370-21 | RES, NETWORK | 22 (1005X4) | | |
| RB108 | 1-234-370-21 | RES, NETWORK | 22 (1005X4) | | |
| RB111 | 1-234-795-21 | RES, NETWORK 0X4 (2010) | | | |
| RB112 | 1-234-370-21 | RES, NETWORK | 22 (1005X4) | | |
| RB113 | 1-234-370-21 | RES, NETWORK | 22 (1005X4) | | |

< VIBRATOR >

| | | | | | |
|---|---|---|---|---|---|
| X101 | 1-781-867-21 | VIBRATOR, CRYSTAL (27MHz) | | | |

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| | | | | | |
|---|---|---|---|---|---|
| | 1-687-135-12 | DRIVER BOARD | | | |
| | | ********** | | | |

< CAPACITOR >

| | | | | | |
|---|---|---|---|---|---|
| C715 | 1-126-933-11 | ELECT | 100uF | 20% | 16V |
| C731 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C735 | 1-164-159-11 | CERAMIC | 0.1uF | | 50V |
| C736 | 1-164-159-11 | CERAMIC | 0.1uF | | 50V |

| Ref. No. | Part No. | Description | | | Remarks |
|---|---|---|---|---|---|
| C737 | 1-164-159-11 | CERAMIC | 0.1uF | | 50V |
| C741 | 1-162-306-11 | CERAMIC | 0.01uF | 20% | 16V |
| C751 | 1-162-306-11 | CERAMIC | 0.01uF | 20% | 16V |
| C752 | 1-164-159-11 | CERAMIC | 0.1uF | | 50V |
| | | < CONNECTOR > | | | |
| CN701 | 1-784-735-11 | CONNECTOR, FFC 13P (TH) | | | |
| CN701 | 1-785-338-11 | PIN, CONNECTOR (LIGHT ANGLE) 12P | | | (EXCEPT TH) |
| CN702 | 1-784-766-11 | CONNECTOR, FFC 5P | | | |
| * CN703 | 1-564-720-11 | PIN, CONNECTOR (SMALL TYPE) 4P | | | |
| CN704 | 1-785-328-11 | PIN, CONNECTOR (LIGHT ANGRE) 2P | | | |
| | | < DIODE > | | | |
| D701 | 8-719-947-16 | DIODE MTZJ-T-72-5.1A | | | |
| D711 | 8-719-983-66 | DIODE MTZJ-T-72-3.6B | | | |
| | | < IC > | | | |
| IC701 | 8-759-598-69 | IC BA6956AN | | | |
| IC712 | 8-759-598-69 | IC BA6956AN | | | |
| | | < TRANSISTOR > | | | |
| Q731 | 8-729-029-66 | TRANSISTOR DTC114ESA | | | |
| | | < RESISTOR > | | | |
| R701 | 1-249-413-11 | CARBON | 470 | 5% | 1/4W |
| R702 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R711 | 1-247-831-91 | CARBON | 1K | 5% | 1/4W |
| R712 | 1-247-847-91 | CARBON | 4.7K | 5% | 1/4W |
| R713 | 1-247-863-91 | CARBON | 22K | 5% | 1/4W |
| R721 | 1-247-847-91 | CARBON | 4.7K | 5% | 1/4W |
| R722 | 1-247-847-91 | CARBON | 4.7K | 5% | 1/4W |
| R723 | 1-247-847-91 | CARBON | 4.7K | 5% | 1/4W |
| R731 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R732 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R733 | 1-247-831-91 | CARBON | 1K | 5% | 1/4W |
| R734 | 1-249-430-11 | CARBON | 12K | 5% | 1/4W |
| R735 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R751 | 1-247-847-91 | CARBON | 4.7K | 5% | 1/4W |
| ********** | | | | | |
| | A-1099-771-A | DVD SURR BOARD, COMPLETE (E2, MX) | | | |
| | A-1099-850-A | DVD SURR BOARD, COMPLETE | | | (GNV99D: EXCEPT TH) |
| | A-1114-979-A | DVD SURR BOARD, COMPLETE | | | (GNV111D: EXCEPT E2, MX, TH) |
| | A-1124-096-A | DVD SURR BOARD, COMPLETE (GNV111D: TH) | | | |
| | A-1124-108-A | DVD SURR BOARD, COMPLETE (GNV99D: TH) | | | |
| | | ********** | | | |
| | | < CAPACITOR > | | | |
| C700 | 1-126-963-11 | ELECT | 4.7uF | 20% | 50V |
| C701 | 1-164-230-11 | CERAMIC CHIP | 220PF | 5% | 50V |
| C702 | 1-126-923-91 | ELECT | 220uF | 20% | 10V |
| C703 | 1-162-927-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C704 | 1-126-963-11 | ELECT | 4.7uF | 20% | 50V |
| C710 | 1-162-916-11 | CERAMIC CHIP | 12PF | 5% | 50V (GNV111D) |

| Ref. No. | Part No. | Description | | | Remarks |
|---|---|---|---|---|---|
| C710 | 1-162-918-11 | CERAMIC CHIP | 18PF | 5% | 50V (GNV99D) |
| C711 | 1-162-916-11 | CERAMIC CHIP | 12PF | 5% | 50V (GNV111D) |
| C711 | 1-162-918-11 | CERAMIC CHIP | 18PF | 5% | 50V (GNV99D) |
| C712 | 1-162-916-11 | CERAMIC CHIP | 12PF | 5% | 50V (GNV111D) |
| C712 | 1-162-918-11 | CERAMIC CHIP | 18PF | 5% | 50V (GNV99D) |
| C721 | 1-126-965-91 | ELECT | 22uF | 20% | 50V (GNV111D) |
| C730 | 1-136-495-11 | FILM | 0.068uF | 5% | 50V |
| C731 | 1-136-495-11 | FILM | 0.068uF | 5% | 50V |
| C732 | 1-131-992-91 | CERAMIC CHIP | 100000PF | | 35V |
| C733 | 1-131-992-91 | CERAMIC CHIP | 100000PF | | 35V |
| C740 | 1-126-963-11 | ELECT | 4.7uF | 20% | 50V |
| C741 | 1-164-230-11 | CERAMIC CHIP | 220PF | 5% | 50V |
| C742 | 1-126-923-91 | ELECT | 220uF | 20% | 10V |
| C743 | 1-162-927-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C744 | 1-126-963-11 | ELECT | 4.7uF | 20% | 50V |
| C746 | 1-126-963-11 | ELECT | 4.7uF | 20% | 50V (GNV111D) |
| C747 | 1-126-963-11 | ELECT | 4.7uF | 20% | 50V (GNV111D) |
| C748 | 1-104-658-91 | ELECT | 100uF | 20% | 10V (GNV111D) |
| C749 | 1-126-963-11 | ELECT | 4.7uF | 20% | 50V (GNV111D) |
| C750 | 1-126-963-11 | ELECT | 4.7uF | 20% | 50V |
| C751 | 1-164-230-11 | CERAMIC CHIP | 220PF | 5% | 50V |
| C752 | 1-126-923-91 | ELECT | 220uF | 20% | 10V |
| C753 | 1-162-927-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C754 | 1-126-963-11 | ELECT | 4.7uF | 20% | 50V |
| C755 | 1-162-919-11 | CERAMIC CHIP | 22PF | 5% | 50V (GNV111D) |
| C756 | 1-162-919-11 | CERAMIC CHIP | 22PF | 5% | 50V (GNV111D) |
| C757 | 1-131-992-91 | CERAMIC CHIP | 100000PF | | 35V (GNV111D) |
| C758 | 1-126-963-11 | ELECT | 4.7uF | 20% | 50V (GNV111D) |
| C759 | 1-126-964-11 | ELECT | 10uF | 20% | 50V (GNV111D) |
| C770 | 1-136-495-11 | FILM | 0.068uF | 5% | 50V |
| C771 | 1-136-495-11 | FILM | 0.068uF | 5% | 50V |
| C772 | 1-131-992-91 | CERAMIC CHIP | 100000PF | | 35V |
| C773 | 1-131-992-91 | CERAMIC CHIP | 100000PF | | 35V |
| C780 | 1-136-495-11 | FILM | 0.068uF | 5% | 50V |
| C781 | 1-136-495-11 | FILM | 0.068uF | 5% | 50V |
| C782 | 1-131-992-91 | CERAMIC CHIP | 100000PF | | 35V |
| C783 | 1-131-992-91 | CERAMIC CHIP | 100000PF | | 35V |
| C791 | 1-162-974-11 | CERAMIC CHIP | 0.01uF | | 50V |
| C792 | 1-162-974-11 | CERAMIC CHIP | 0.01uF | | 50V |
| C793 | 1-128-563-11 | ELECT | 100uF | 20% | 100V |
| C794 | 1-128-563-11 | ELECT | 100uF | 20% | 100V |
| C795 | 1-128-560-11 | ELECT | 22uF | 20% | 100V |
| C796 | 1-128-560-11 | ELECT | 22uF | 20% | 100V |

| Ref. No. | Part No. | Description | | | Remarks |
|---|---|---|---|---|---|
| | | < CONNECTOR > | | | |
| CN700 | 1-784-041-41 | CONNECTOR, BOARD TO BOARD 9P | | | |
| CN701 | 1-784-031-41 | CONNECTOR, BOARD TO BOARD 8P | | | |
| | | < DIODE > | | | |
| D710 | 8-719-083-66 | DIODE UDZSTE-1718B (GNV111D) | | | |
| D711 | 8-719-083-66 | DIODE UDZSTE-1718B (GNV111D) | | | |
| D720 | 8-719-988-61 | DIODE 1SS355TE-17 (GNV111D) | | | |
| D730 | 8-719-988-61 | DIODE 1SS355TE-17 | | | |
| D761 | 8-719-988-61 | DIODE 1SS355TE-17 | | | |
| D762 | 8-719-988-61 | DIODE 1SS355TE-17 | | | |
| D763 | 8-719-988-61 | DIODE 1SS355TE-17 (GNV111D) | | | |
| D764 | 8-719-988-61 | DIODE 1SS355TE-17 (GNV111D) | | | |
| D765 | 8-719-988-61 | DIODE 1SS355TE-17 (GNV111D) | | | |
| D770 | 8-719-988-61 | DIODE 1SS355TE-17 | | | |
| D780 | 8-719-988-61 | DIODE 1SS355TE-17 | | | |
| | | < IC > | | | |
| IC702 | 6-600-339-01 | IC STK413-430 (GNV111D) | | | |
| IC702 | 8-749-017-20 | IC STK443-070 (GNV99D) | | | |
| IC703 | 8-759-685-70 | IC NJM2520M (TE2) (GNV111D) | | | |
| | | < JUMPER RESISTOR > | | | |
| JR700 | 1-216-296-11 | SHORT CHIP | 0 | | |
| JR791 | 1-216-296-11 | SHORT CHIP | 0 | | |
| | | < COIL > | | | |
| L730 | 1-420-872-52 | COIL, AIR-CORE | | | |
| L770 | 1-420-872-52 | COIL, AIR-CORE | | | |
| L780 | 1-420-872-52 | COIL, AIR-CORE | | | |
| | | < TRANSISTOR > | | | |
| Q700 | 8-729-802-80 | TRANSISTOR 2SC3661 | | | |
| Q720 | 8-729-901-81 | TRANSISTOR 2SC2412K-T-146-R (GNV111D) | | | |
| Q721 | 8-729-821-00 | TRANSISTOR 2SA1207 (GNV111D) | | | |
| Q722 | 8-729-924-99 | TRANSISTOR 2SC3722K-E (GNV111D) | | | |
| Q730 | 8-729-924-99 | TRANSISTOR 2SC3722K-E | | | |
| Q740 | 8-729-802-80 | TRANSISTOR 2SC3661 | | | |
| Q750 | 8-729-802-80 | TRANSISTOR 2SC3661 | | | |
| Q762 | 8-729-901-81 | TRANSISTOR 2SC2412K-T-146-R | | | |
| Q763 | 8-729-901-81 | TRANSISTOR 2SC2412K-T-146-R | | | |
| Q765 | 8-729-802-80 | TRANSISTOR 2SC3661 | | | |
| Q770 | 8-729-924-99 | TRANSISTOR 2SC3722K-E | | | |
| Q780 | 8-729-924-99 | TRANSISTOR 2SC3722K-E | | | |
| | | < RESISTOR > | | | |
| R700 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R701 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R702 | 1-216-812-11 | METAL CHIP | 180 | 5% | 1/10W (GNV111D) |
| R702 | 1-216-815-11 | METAL CHIP | 330 | 5% | 1/10W (GNV99D: TH) |
| R702 | 1-216-816-11 | METAL CHIP | 390 | 5% | 1/10W (GNV99D: EXCEPT TH) |
| R703 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R704 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R705 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R706 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R710 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R711 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R712 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R720 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W (GNV111D) |
| R721 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W (GNV111D) |
| R722 | 1-216-837-11 | METAL CHIP | 22K | 5% | 1/10W (GNV111D) |
| R723 | 1-216-825-11 | METAL CHIP | 2.2K | 5% | 1/10W (GNV111D) |
| R724 | 1-216-839-11 | METAL CHIP | 33K | 5% | 1/10W (GNV111D) |
| R725 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W (GNV111D) |
| R726 | 1-216-839-11 | METAL CHIP | 33K | 5% | 1/10W (GNV111D) |
| R727 | 1-216-839-11 | METAL CHIP | 33K | 5% | 1/10W (GNV111D) |
| ⚠R730 | 1-234-499-21 | ENCAPSULATED COMPONENT | | | |
| R731 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R732 | 1-216-838-11 | METAL CHIP | 27K | 5% | 1/10W |
| R733 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W |
| R734 | 1-216-842-11 | METAL CHIP | 56K | 5% | 1/10W |
| R735 | 1-245-711-31 | CARBON | 10 | 5% | 1/2W |
| R736 | 1-245-711-31 | CARBON | 10 | 5% | 1/2W |
| R737 | 1-245-711-31 | CARBON | 10 | 5% | 1/2W |
| R740 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R741 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R742 | 1-216-813-11 | METAL CHIP | 220 | 5% | 1/10W (GNV111D) |
| R742 | 1-216-815-11 | METAL CHIP | 330 | 5% | 1/10W (GNV99D: TH) |
| R742 | 1-216-817-11 | METAL CHIP | 470 | 5% | 1/10W (GNV99D: EXCEPT TH) |
| R743 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R744 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R745 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R746 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R747 | 1-218-867-11 | METAL CHIP | 6.8K | 0.5% | 1/10W (GNV111D) |
| R748 | 1-216-832-11 | METAL CHIP | 8.2K | 5% | 1/10W (GNV111D) |
| R749 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W (GNV111D) |
| R750 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R751 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R752 | 1-216-812-11 | METAL CHIP | 180 | 5% | 1/10W (GNV111D) |
| R752 | 1-216-815-11 | METAL CHIP | 330 | 5% | 1/10W (GNV99D: TH) |
| R752 | 1-216-816-11 | METAL CHIP | 390 | 5% | 1/10W (GNV99D: EXCEPT TH) |
| R753 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R754 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R755 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R756 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R757 | 1-216-825-11 | METAL CHIP | 2.2K | 5% | 1/10W (GNV111D) |

| Ref. No. | Part No. | Description | | | Remarks |
|---|---|---|---|---|---|
| R760 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W (GNV111D) |
| R761 | 1-216-839-11 | METAL CHIP | 33K | 5% | 1/10W (GNV99D) |
| R761 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W (GNV111D) |
| R762 | 1-216-839-11 | METAL CHIP | 33K | 5% | 1/10W (GNV99D) |
| R762 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W (GNV111D) |
| R764 | 1-260-087-11 | CARBON | 100 | 5% | 1/2W |
| R765 | 1-260-087-11 | CARBON | 100 | 5% | 1/2W |
| R766 | 1-216-825-11 | METAL CHIP | 2.2K | 5% | 1/10W |
| R767 | 1-216-837-11 | METAL CHIP | 22K | 5% | 1/10W |
| R768 | 1-216-825-11 | METAL CHIP | 2.2K | 5% | 1/10W |
| R769 | 1-216-837-11 | METAL CHIP | 22K | 5% | 1/10W |
| ⚠R770 | 1-234-499-21 | ENCAPSULATED COMPONENT | | | |
| R771 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R772 | 1-216-838-11 | METAL CHIP | 27K | 5% | 1/10W |
| R773 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W |
| R774 | 1-216-843-11 | METAL CHIP | 68K | 5% | 1/10W |
| R775 | 1-245-711-31 | CARBON | 10 | 5% | 1/2W |
| R776 | 1-245-711-31 | CARBON | 10 | 5% | 1/2W |
| R777 | 1-245-711-31 | CARBON | 10 | 5% | 1/2W |
| R778 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W (GNV111D) |
| R779 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W (GNV111D) |
| ⚠R780 | 1-234-499-21 | ENCAPSULATED COMPONENT | | | |
| R781 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R782 | 1-216-838-11 | METAL CHIP | 27K | 5% | 1/10W |
| R783 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W |
| R784 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R785 | 1-245-711-31 | CARBON | 10 | 5% | 1/2W |
| R786 | 1-245-711-31 | CARBON | 10 | 5% | 1/2W |
| R787 | 1-245-711-31 | CARBON | 10 | 5% | 1/2W |
| R788 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W (GNV111D) |
| R792 | 1-216-839-11 | METAL CHIP | 33K | 5% | 1/10W (GNV99D) |
| R792 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W (GNV111D) |
| ⚠R793 | 1-217-637-00 | FUSIBLE | 1 | 5% | 1/4W |
| ⚠R794 | 1-245-605-51 | FUSIBLE | 100 | 5% | 1/4W |
| ⚠R795 | 1-245-605-51 | FUSIBLE | 100 | 5% | 1/4W |
| R796 | 1-215-872-11 | METAL OXIDE | 3.3K | 5% | 1W (GNV111D) |
| R797 | 1-216-837-11 | METAL CHIP | 22K | 5% | 1/10W |
| R798 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R799 | 1-215-872-11 | METAL OXIDE | 3.3K | 5% | 1W (GNV111D) |
| | | < RELAY > | | | |
| RY760 | 1-755-500-11 | RELAY | | | |
| RY761 | 1-755-500-11 | RELAY | | | |

| Ref. No. | Part No. | Description | | | Remarks |
|---|---|---|---|---|---|
| | | < TERMINAL > | | | |
| TM700 | 1-780-001-21 | TERMINAL BOARD (SPEAKER) | | | (CENTER SPEAKER) |
| TM701 | 1-780-170-21 | TERMINAL BOARD (SPEAKER) | | | (SURR SPEAKER) |
| ********** | | | | | |
| | | JOG BOARD | | | |
| | | ********** | | | |
| | | < CAPACITOR > | | | |
| C1150 | 1-162-964-11 | CERAMIC CHIP | 0.001uF | 10% | 50V |
| | | < CONNECTOR > | | | |
| * CNS903 | 1-562-573-11 | SOCKET, CONNECTOR 8P | | | |
| | | < DIODE > | | | |
| D919 | 8-719-071-44 | DIODE SELS5223C-TP15 (VOL 2) | | | |
| D920 | 8-719-071-44 | DIODE SELS5223C-TP15 (VOL 3) | | | |
| D921 | 8-719-071-44 | DIODE SELS5223C-TP15 (VOL 4) | | | |
| D922 | 8-719-071-44 | DIODE SELS5223C-TP15 (VOL 5) | | | |
| D923 | 8-719-071-44 | DIODE SELS5223C-TP15 (VOL 6) | | | |
| D924 | 8-719-071-44 | DIODE SELS5223C-TP15 (VOL 1) | | | |
| | | < JUMPER RESISTOR > | | | |
| JR904 | 1-216-296-11 | SHORT CHIP | 0 | | |
| JR905 | 1-216-864-11 | SHORT CHIP | 0 | | |
| | | < TRANSISTOR > | | | |
| Q911 | 8-729-027-43 | TRANSISTOR | DTC114EKA-T146 | | |
| Q912 | 8-729-027-43 | TRANSISTOR | DTC114EKA-T146 | | |
| Q913 | 8-729-027-43 | TRANSISTOR | DTC114EKA-T146 | | |
| | | < RESISTOR > | | | |
| R1138 | 1-216-820-11 | METAL CHIP | 820 | 5% | 1/10W |
| R1139 | 1-216-820-11 | METAL CHIP | 820 | 5% | 1/10W |
| R1140 | 1-216-820-11 | METAL CHIP | 820 | 5% | 1/10W |
| R1144 | 1-216-820-11 | METAL CHIP | 820 | 5% | 1/10W |
| R1145 | 1-216-820-11 | METAL CHIP | 820 | 5% | 1/10W |
| R1146 | 1-216-820-11 | METAL CHIP | 820 | 5% | 1/10W |
| R1156 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R1157 | 1-216-820-11 | METAL CHIP | 820 | 5% | 1/10W |
| R1158 | 1-216-820-11 | METAL CHIP | 820 | 5% | 1/10W |
| R1159 | 1-216-820-11 | METAL CHIP | 820 | 5% | 1/10W |
| R1190 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R1191 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R1192 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| | | < SWITCH > | | | |
| S1161 | 1-479-203-11 | ENCODER (ROTARY) (OPERATION DIAL) | | | |
| ********** | | | | | |

| Ref. No. | Part No. | Description | | | Remarks |
|---|---|---|---|---|---|
| | A-1099-580-A | MAIN BOARD, COMPLETE (E2) | | | |
| | A-1099-615-A | MAIN BOARD, COMPLETE (GNV99D: E3) | | | |
| | A-1115-267-A | MAIN BOARD, COMPLETE (GNV99D: EA) | | | |
| | A-1115-283-A | MAIN BOARD, COMPLETE (GNV99D: E15) | | | |
| | A-1115-286-A | MAIN BOARD, COMPLETE (GNV99D: SP, PH) | | | |
| | A-1115-291-A | MAIN BOARD, COMPLETE (GNV99D: TH) | | | |
| | A-1115-312-A | MAIN BOARD, COMPLETE (GNV111D: MY, SP) | | | |
| | A-1115-322-A | MAIN BOARD, COMPLETE (GNV111D: E15) | | | |
| | A-1115-326-A | MAIN BOARD, COMPLETE (GNV111D: EA) | | | |
| | A-1115-330-A | MAIN BOARD, COMPLETE (GNV111D: PH) | | | |
| | A-1115-333-A | MAIN BOARD, COMPLETE (AUS) | | | |
| | A-1115-336-A | MAIN BOARD, COMPLETE (MX) | | | |
| | A-1115-339-A | MAIN BOARD, COMPLETE (GNV111D: TH) | | | |
| | A-1117-691-A | MAIN BOARD, COMPLETE (GNV111D: E3) | | | |
| | A-1119-698-A | MAIN BOARD, COMPLETE (GNV111D: E12) | | | |
| | A-1119-735-A | MAIN BOARD, COMPLETE (E13) | | | |
| | A-1119-775-A | MAIN BOARD, COMPLETE (GNV99D: E12) | | | |
| | | ********** | | | |
| | 7-685-646-79 | SCREW +BVTP 3X8 TYPE2 IT-3 | | | |
| | | < CAPACITOR > | | | |
| C101 | 1-104-658-91 | ELECT | 100uF | 20% | 10V |
| C102 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C103 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C104 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C105 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C106 | 1-136-157-00 | FILM | 0.022uF | 5% | 50V |
| C107 | 1-136-157-00 | FILM | 0.022uF | 5% | 50V |
| C108 | 1-136-159-00 | FILM | 0.033uF | 5% | 50V |
| C109 | 1-126-960-11 | ELECT | 1uF | 20% | 50V |
| C110 | 1-137-150-11 | FILM | 0.01uF | 5% | 100V |
| C111 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C112 | 1-136-170-00 | FILM | 0.27uF | 5% | 50V |
| C113 | 1-136-170-00 | FILM | 0.27uF | 5% | 50V |
| C114 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C115 | 1-164-156-11 | CERAMIC CHIP | 0.1uF | | 25V |
| C116 | 1-126-176-11 | ELECT | 220uF | 20% | 10V |
| C121 | 1-162-960-11 | CERAMIC CHIP | 220PF | 10% | 50V |
| C122 | 1-162-960-11 | CERAMIC CHIP | 220PF | 10% | 50V |
| C130 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C131 | 1-126-959-11 | ELECT | 0.47uF | 20% | 50V |
| C150 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C152 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C153 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C154 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C155 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C156 | 1-136-157-00 | FILM | 0.022uF | 5% | 50V |
| C157 | 1-136-157-00 | FILM | 0.022uF | 5% | 50V |
| C158 | 1-136-159-00 | FILM | 0.033uF | 5% | 50V |
| C159 | 1-126-960-11 | ELECT | 1uF | 20% | 50V |
| C160 | 1-137-150-11 | FILM | 0.01uF | 5% | 100V |
| C161 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C162 | 1-136-170-00 | FILM | 0.27uF | 5% | 50V |
| C163 | 1-136-170-00 | FILM | 0.27uF | 5% | 50V |
| C164 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C166 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C167 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |

| Ref. No. | Part No. | Description | | | Remarks |
|---|---|---|---|---|---|
| C200 | 1-137-190-91 | FILM | 0.22uF | 5% | 50V |
| C201 | 1-136-497-81 | FILM | 0.1uF | 5% | 50V |
| C202 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C203 | 1-136-170-00 | FILM | 0.27uF | 5% | 50V (GNV111D) |
| C204 | 1-136-170-00 | FILM | 0.27uF | 5% | 50V (GNV111D) |
| C205 | 1-104-658-91 | ELECT | 100uF | 20% | 10V |
| C206 | 1-162-966-11 | CERAMIC CHIP | 0.0022uF | 10% | 50V |
| C207 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C209 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C210 | 1-162-964-11 | CERAMIC CHIP | 0.001uF | 10% | 50V |
| C211 | 1-162-960-11 | CERAMIC CHIP | 220PF | 10% | 50V |
| C212 | 1-162-964-11 | CERAMIC CHIP | 0.001uF | 10% | 50V |
| C213 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C214 | 1-162-960-11 | CERAMIC CHIP | 220PF | 10% | 50V |
| C215 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C216 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C217 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C218 | 1-162-964-11 | CERAMIC CHIP | 0.001uF | 10% | 50V |
| C219 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C220 | 1-162-964-11 | CERAMIC CHIP | 0.001uF | 10% | 50V |
| C221 | 1-126-960-11 | ELECT | 1uF | 20% | 50V |
| C222 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C223 | 1-162-964-11 | CERAMIC CHIP | 0.001uF | 10% | 50V |
| C224 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C225 | 1-126-960-11 | ELECT | 1uF | 20% | 50V |
| C226 | 1-126-960-11 | ELECT | 1uF | 20% | 50V |
| C227 | 1-126-960-11 | ELECT | 1uF | 20% | 50V |
| C228 | 1-126-960-11 | ELECT | 1uF | 20% | 50V |
| C229 | 1-162-957-11 | CERAMIC CHIP | 220PF | 5% | 50V |
| C231 | 1-126-961-11 | ELECT | 2.2uF | 20% | 50V |
| C233 | 1-162-953-11 | CERAMIC CHIP | 100PF | 5% | 50V (GNV99D/GNV111D: EXCEPT TH) |
| C234 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C235 | 1-162-953-11 | CERAMIC CHIP | 100PF | 5% | 50V (GNV99D/GNV111D: EXCEPT TH) |
| C242 | 1-162-964-11 | CERAMIC CHIP | 0.001uF | 10% | 50V |
| C251 | 1-126-960-11 | ELECT | 1uF | 20% | 50V |
| C252 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C253 | 1-136-170-00 | FILM | 0.27uF | 5% | 50V (GNV111D) |
| C254 | 1-136-170-00 | FILM | 0.27uF | 5% | 50V (GNV111D) |
| C255 | 1-104-658-91 | ELECT | 100uF | 20% | 10V |
| C256 | 1-162-966-11 | CERAMIC CHIP | 0.0022uF | 10% | 50V |
| C257 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C258 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C259 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C260 | 1-164-156-11 | CERAMIC CHIP | 0.1uF | | 25V |
| C261 | 1-162-960-11 | CERAMIC CHIP | 220PF | 10% | 50V |
| C262 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C263 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C264 | 1-162-960-11 | CERAMIC CHIP | 220PF | 10% | 50V |
| C265 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C266 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C267 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C268 | 1-162-964-11 | CERAMIC CHIP | 0.001uF | 10% | 50V |
| C269 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |

| Ref. No. | Part No. | Description | | | Remarks |
|---|---|---|---|---|---|
| C270 | 1-162-964-11 | CERAMIC CHIP | 0.001uF | 10% | 50V |
| C272 | 1-126-923-91 | ELECT | 220uF | 20% | 10V |
| C273 | 1-162-960-11 | CERAMIC CHIP | 220PF | 10% | 50V |
| C274 | 1-162-960-11 | CERAMIC CHIP | 220PF | 10% | 50V |
| C276 | 1-126-960-11 | ELECT | 1uF | 20% | 50V |
| C277 | 1-126-960-11 | ELECT | 1uF | 20% | 50V |
| C278 | 1-126-960-11 | ELECT | 1uF | 20% | 50V |
| C279 | 1-162-957-11 | CERAMIC CHIP | 220PF | 5% | 50V |
| C281 | 1-126-961-11 | ELECT | 2.2uF | 20% | 50V |
| C301 | 1-136-967-11 | FILM | 0.012uF | 5% | 100V |
| C303 | 1-136-497-81 | FILM | 0.1uF | 5% | 50V |
| C304 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C305 | 1-126-960-11 | ELECT | 1uF | 20% | 50V |
| C306 | 1-126-961-11 | ELECT | 2.2uF | 20% | 50V |
| C307 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C308 | 1-126-925-91 | ELECT | 470uF | 20% | 10V |
| C309 | 1-126-947-11 | ELECT | 47uF | 20% | 35V |
| C310 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C311 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C312 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C314 | 1-162-966-11 | CERAMIC CHIP | 0.0022uF | 10% | 50V |
| C325 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C326 | 1-115-412-11 | CERAMIC CHIP | 680PF | 5% | 25V |
| C328 | 1-137-427-11 | MYLAR | 120PF | 5% | 50V |
| C332 | 1-164-670-11 | CERAMIC CHIP | 1200PF | 5% | 16V |
| C333 | 1-162-959-11 | CERAMIC CHIP | 330PF | 5% | 50V |
| C335 | 1-164-227-11 | CERAMIC CHIP | 0.022uF | 10% | 25V |
| C340 | 1-162-968-11 | CERAMIC CHIP | 0.0047uF | 10% | 50V |
| C341 | 1-162-968-11 | CERAMIC CHIP | 0.0047uF | 10% | 50V |
| C350 | 1-162-921-11 | CERAMIC CHIP | 33PF | 5% | 50V |
| C351 | 1-136-967-11 | FILM | 0.012uF | 5% | 100V |
| C352 | 1-126-947-11 | ELECT | 47uF | 20% | 35V |
| C353 | 1-136-497-81 | FILM | 0.1uF | 5% | 50V |
| C354 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C355 | 1-126-960-11 | ELECT | 1uF | 20% | 50V |
| C356 | 1-126-961-11 | ELECT | 2.2uF | 20% | 50V |
| C357 | 1-126-963-11 | ELECT | 4.7uF | 20% | 50V |
| C358 | 1-126-963-11 | ELECT | 4.7uF | 20% | 50V |
| C359 | 1-126-947-11 | ELECT | 47uF | 20% | 35V |
| C360 | 1-162-921-11 | CERAMIC CHIP | 33PF | 5% | 50V |
| C361 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C364 | 1-162-966-11 | CERAMIC CHIP | 0.0022uF | 10% | 50V |
| C365 | 1-126-960-11 | ELECT | 1uF | 20% | 50V |
| C370 | 1-137-150-11 | FILM | 0.01uF | 5% | 100V |
| C371 | 1-162-968-11 | CERAMIC CHIP | 0.0047uF | 10% | 50V |
| C372 | 1-162-964-11 | CERAMIC CHIP | 0.001uF | 10% | 50V |
| C373 | 1-162-964-11 | CERAMIC CHIP | 0.001uF | 10% | 50V |
| C374 | 1-126-947-11 | ELECT | 47uF | 20% | 35V |
| C376 | 1-115-412-11 | CERAMIC CHIP | 680PF | 5% | 25V |
| C377 | 1-162-974-11 | CERAMIC CHIP | 0.01uF | | 50V |
| C378 | 1-137-427-11 | MYLAR | 120PF | 5% | 50V |
| C379 | 1-130-481-00 | MYLAR | 0.0068uF | 5% | 50V |
| C382 | 1-164-670-11 | CERAMIC CHIP | 1200PF | 5% | 16V |
| C383 | 1-162-959-11 | CERAMIC CHIP | 330PF | 5% | 50V |
| C385 | 1-164-227-11 | CERAMIC CHIP | 0.022uF | 10% | 25V |
| C410 | 1-162-919-11 | CERAMIC CHIP | 22PF | 5% | 50V |
| C411 | 1-162-917-11 | CERAMIC CHIP | 15PF | 5% | 50V |

| Ref. No. | Part No. | Description | | | Remarks |
|---|---|---|---|---|---|
| C412 | 1-100-566-91 | CERAMIC CHIP | 0.1uF | 10% | 25V |
| C416 | 1-104-656-11 | ELECT | 2200uF | 20% | 6.3V |
| C429 | 1-162-923-11 | CERAMIC CHIP | 47PF | 5% | 50V |
| C430 | 1-162-923-11 | CERAMIC CHIP | 47PF | 5% | 50V |
| C462 | 1-104-658-91 | ELECT | 100uF | 20% | 10V |
| C464 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C501 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C502 | 1-136-497-81 | FILM | 0.1uF | 5% | 50V |
| C503 | 1-136-497-81 | FILM | 0.1uF | 5% | 50V |
| C504 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C505 | 1-126-961-11 | ELECT | 2.2uF | 20% | 50V |
| C506 | 1-126-961-11 | ELECT | 2.2uF | 20% | 50V |
| C507 | 1-126-961-11 | ELECT | 2.2uF | 20% | 50V |
| C508 | 1-126-961-11 | ELECT | 2.2uF | 20% | 50V |
| C509 | 1-126-961-11 | ELECT | 2.2uF | 20% | 50V |
| C510 | 1-126-961-11 | ELECT | 2.2uF | 20% | 50V |
| C511 | 1-126-961-11 | ELECT | 2.2uF | 20% | 50V |
| C512 | 1-126-157-11 | ELECT | 10uF | 20% | 16V |
| C513 | 1-100-566-91 | CERAMIC CHIP | 0.1uF | 10% | 25V |
| C514 | 1-126-768-11 | ELECT | 2200uF | 20% | 16V |
| C515 | 1-100-566-91 | CERAMIC CHIP | 0.1uF | 10% | 25V |
| C516 | 1-126-927-11 | ELECT | 2200uF | 20% | 10V |
| C517 | 1-126-961-11 | ELECT | 2.2uF | 20% | 50V |
| C518 | 1-126-926-11 | ELECT | 1000uF | 20% | 10V |
| C519 | 1-104-656-11 | ELECT | 2200uF | 20% | 6.3V(TH) |
| C519 | 1-126-927-11 | ELECT | 2200uF | 20% | 10V (EXCEPT TH) |
| C520 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C521 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C522 | 1-216-864-11 | SHORT CHIP | 0 (EXCEPT EA, AUS) | | |
| C523 | 1-126-961-11 | ELECT | 2.2uF | 20% | 50V |
| C524 | 1-126-961-11 | ELECT | 2.2uF | 20% | 50V |
| C525 | 1-126-926-11 | ELECT | 1000uF | 20% | 10V |
| C530 | 1-162-953-11 | CERAMIC CHIP | 100PF | 5% | 50V (GNV99D/GNV111D: EXCEPT TH) |
| C550 | 1-126-933-11 | ELECT | 100uF | 20% | 16V |
| C551 | 1-100-566-91 | CERAMIC CHIP | 0.1uF | 10% | 25V |
| C552 | 1-126-961-11 | ELECT | 2.2uF | 20% | 50V |
| C553 | 1-104-666-11 | ELECT | 220uF | 20% | 25V |
| C554 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C557 | 1-130-483-00 | MYLAR | 0.01uF | 5% | 50V |
| C558 | 1-130-483-00 | MYLAR | 0.01uF | 5% | 50V |
| C559 | 1-126-926-11 | ELECT | 1000uF | 20% | 10V |
| C562 | 1-126-935-11 | ELECT | 470uF | 20% | 16V |
| C563 | 1-126-935-11 | ELECT | 470uF | 20% | 16V |
| C564 | 1-100-566-91 | CERAMIC CHIP | 0.1uF | 10% | 25V |
| C565 | 1-100-566-91 | CERAMIC CHIP | 0.1uF | 10% | 25V |
| C566 | 1-111-235-61 | ELECT | 10000uF | 20% | 25V |
| C567 | 1-126-946-11 | ELECT | 6800uF | 20% | 25V |
| C568 | 1-100-566-91 | CERAMIC CHIP | 0.1uF | 10% | 25V |
| C569 | 1-100-566-91 | CERAMIC CHIP | 0.1uF | 10% | 25V |
| C570 | 1-130-483-00 | MYLAR | 0.01uF | 5% | 50V |
| C571 | 1-130-483-00 | MYLAR | 0.01uF | 5% | 50V |
| C580 | 1-100-566-91 | CERAMIC CHIP | 0.1uF | 10% | 25V |
| C581 | 1-100-566-91 | CERAMIC CHIP | 0.1uF | 10% | 25V |
| | | < CONNECTOR > | | | |
| * CN100 | 1-564-711-11 | PIN, CONNECTOR (SMALL TYPE) 9P | | | |

| Ref. No. | Part No. | Description | Remarks |
|---|---|---|---|
| CN402 | 1-785-336-11 | PIN, CONNECTOR (LIGHT ANGLE) 10P | |
| CN501 | 1-573-845-11 | CONNECTOR, BOARD TO BOARD 13P | |
| * CN502 | 1-774-876-21 | CONNECTOR, BOARD TO BOARD 8P | |
| * CN503 | 1-564-710-11 | PIN, CONNECTOR (SMALL TYPE) 8P | |
| * CN504 | 1-564-705-11 | PIN, CONNECTOR (SMALL TYPE) 3P | |
| CN506 | 1-784-731-11 | CONNECTOR, FFC 9P | |
| * CN508 | 1-569-934-11 | SOCKET, CONNECTOR 17P | |
| * CN509 | 1-569-930-11 | SOCKET, CONNECTOR 13P | |
| * CN510 | 1-568-449-11 | HOUSING, CONNECTOR (PC BOARD) 3P | |
| * CN514 | 1-774-876-21 | CONNECTOR, BOARD TO BOARD 8P | |
| CN515 | 1-784-038-21 | CONNECTOR, BOARD TO BOARD 9P | |
| CN520 | 1-779-281-11 | CONNECTOR, FFC (LIF (NON-ZIF)) 13P | |
| CN521 | 1-779-287-11 | CONNECTOR, FFC (LIF (NON-ZIF)) 19P | |
| CN580 | 1-564-506-11 | PLUG, CONNECTOR 3P | |
| | | < DIODE > | |
| D136 | 8-719-069-55 | DIODE UDZSTE-175.6B | |
| D340 | 8-719-988-61 | DIODE 1SS355TE-17 | |
| D341 | 8-719-988-61 | DIODE 1SS355TE-17 | |
| D342 | 8-719-988-61 | DIODE 1SS355TE-17 | |
| D401 | 8-719-988-61 | DIODE 1SS355TE-17 | |
| D402 | 8-719-988-61 | DIODE 1SS355TE-17 | |
| D403 | 8-719-988-61 | DIODE 1SS355TE-17 | |
| D501 | 8-719-988-61 | DIODE 1SS355TE-17 | |
| D502 | 8-719-988-61 | DIODE 1SS355TE-17 | |
| D503 | 8-719-988-61 | DIODE 1SS355TE-17 | |
| D504 | 8-719-988-61 | DIODE 1SS355TE-17 | |
| D505 | 8-719-988-61 | DIODE 1SS355TE-17 | |
| D506 | 8-719-988-61 | DIODE 1SS355TE-17 | |
| D507 | 8-719-988-61 | DIODE 1SS355TE-17 | |
| D550 | 8-719-988-61 | DIODE 1SS355TE-17 | |
| D551 | 8-719-988-61 | DIODE 1SS355TE-17 | |
| D560 | 8-719-500-60 | DIODE D5SBA20 | |
| D561 | 8-719-500-60 | DIODE D5SBA20 | |
| D581 | 1-216-295-91 | SHORT CHIP 0 | |
| D582 | 8-719-069-56 | DIODE UDZSTE-176.2B | |
| D583 | 8-719-069-56 | DIODE UDZSTE-176.2B | |
| | | < FERRITE BEAD > | |
| FB204 | 1-216-864-11 | SHORT CHIP 0 | |
| FB254 | 1-216-864-11 | SHORT CHIP 0 | |
| FB260 | 1-216-864-11 | SHORT CHIP 0 | |
| FB261 | 1-216-864-11 | SHORT CHIP 0 | |
| | | < IC > | |
| IC101 | 6-703-650-11 | IC M61529FP-D60G | |
| IC201 | 6-703-651-11 | IC M61530FP-D60G | |
| IC301 | 6-702-130-01 | IC HA12237F | |
| IC304 | 8-759-710-97 | IC NJM4565M-D | |
| IC401 | 6-805-073-01 | IC M30620MCP-A03FPU0 | |
| IC501 | 6-705-809-01 | IC BD4929G-TR | |
| IC507 | 8-759-198-03 | IC PQ09RF21 | |
| IC550 | 6-703-610-01 | IC RT8H015C-T112-1 | |
| IC558 | 6-703-547-01 | IC TA7805LS | |
| IC559 | 6-702-771-01 | IC TA78033LS | |
| IC560 | 8-759-701-59 | IC NJM78M09FA | |
| IC561 | 8-759-701-59 | IC NJM78M09FA | |

| Ref. No. | Part No. | Description | Remarks |
|---|---|---|---|
| | | < JACK > | |
| J201 | 1-770-272-11 | JACK, PIN 2P (TV/SAT AUDIO IN) | |
| J202 | 1-770-272-11 | JACK, PIN 2P (AUDIO OUT) | |
| J203 | 1-770-377-31 | JACK, PIN 1P (SUB WOOFER OUT) | |
| | | < JUMPER RESISTOR > | |
| JR100 | 1-216-296-11 | SHORT CHIP 0 | |
| JR103 | 1-216-864-11 | SHORT CHIP 0 | |
| JR104 | 1-216-864-11 | SHORT CHIP 0 | |
| JR200 | 1-216-864-11 | SHORT CHIP 0 | |
| JR201 | 1-216-296-11 | SHORT CHIP 0 | |
| JR202 | 1-216-296-11 | SHORT CHIP 0 | |
| JR203 | 1-216-296-11 | SHORT CHIP 0 | |
| JR204 | 1-216-296-11 | SHORT CHIP 0 | |
| JR205 | 1-216-296-11 | SHORT CHIP 0 | |
| JR206 | 1-216-864-11 | SHORT CHIP 0 | |
| JR207 | 1-216-296-11 | SHORT CHIP 0 | |
| JR208 | 1-216-864-11 | SHORT CHIP 0 | |
| JR218 | 1-216-864-11 | SHORT CHIP 0 | |
| JR219 | 1-216-864-11 | SHORT CHIP 0 | |
| JR221 | 1-216-864-11 | SHORT CHIP 0 | |
| JR300 | 1-216-296-11 | SHORT CHIP 0 | |
| JR301 | 1-216-864-11 | SHORT CHIP 0 | |
| JR302 | 1-216-864-11 | SHORT CHIP 0 | |
| JR303 | 1-216-864-11 | SHORT CHIP 0 | |
| JR304 | 1-216-864-11 | SHORT CHIP 0 | |
| JR305 | 1-216-296-11 | SHORT CHIP 0 | |
| JR306 | 1-216-864-11 | SHORT CHIP 0 | |
| JR359 | 1-216-864-11 | SHORT CHIP 0 | |
| JR400 | 1-216-296-11 | SHORT CHIP 0 | |
| JR401 | 1-216-864-11 | SHORT CHIP 0 | |
| JR500 | 1-216-864-11 | SHORT CHIP 0 | |
| JR501 | 1-216-296-11 | SHORT CHIP 0 | |
| JR502 | 1-216-864-11 | SHORT CHIP 0 | |
| JR503 | 1-216-864-11 | SHORT CHIP 0 | |
| JR504 | 1-216-864-11 | SHORT CHIP 0 | |
| JR505 | 1-216-864-11 | SHORT CHIP 0 | |
| JR506 | 1-216-864-11 | SHORT CHIP 0 | |
| JR507 | 1-216-296-11 | SHORT CHIP 0 | |
| JR508 | 1-216-864-11 | SHORT CHIP 0 | |
| JR509 | 1-216-864-11 | SHORT CHIP 0 | |
| JR510 | 1-216-864-11 | SHORT CHIP 0 | |
| JR511 | 1-216-864-11 | SHORT CHIP 0 | |
| JR521 | 1-216-864-11 | SHORT CHIP 0 (GNV111D: TH) | |
| | | < COIL > | |
| L302 | 1-414-189-31 | INDUCTOR 100uH | |
| L320 | 1-410-780-11 | INDUCTOR 27mH | |
| L370 | 1-410-780-11 | INDUCTOR 27mH | |
| L372 | 1-414-189-31 | INDUCTOR 100uH | |
| | | < TRANSISTOR > | |
| Q101 | 8-729-901-81 | TRANSISTOR 2SC2412K-T-146-R | |
| Q103 | 8-729-056-46 | TRANSISTOR 2SC5053T100Q | |
| Q104 | 8-729-027-43 | TRANSISTOR DTC114EKA-T146 | |
| Q105 | 8-729-056-46 | TRANSISTOR 2SC5053T100Q | |
| Q106 | 8-729-802-80 | TRANSISTOR 2SC3661 | |

| Ref. No. | Part No. | Description | Remarks |
|---|---|---|---|
| Q117 | 8-729-802-80 | TRANSISTOR 2SC3661 | |
| Q151 | 8-729-901-81 | TRANSISTOR 2SC2412K-T-146-R | |
| Q156 | 8-729-802-80 | TRANSISTOR 2SC3661 | |
| Q167 | 8-729-802-80 | TRANSISTOR 2SC3661 | |
| Q200 | 8-729-802-80 | TRANSISTOR 2SC3661 | |
| Q202 | 8-729-802-80 | TRANSISTOR 2SC3661 | |
| Q203 | 8-729-802-80 | TRANSISTOR 2SC3661 | |
| Q204 | 8-729-802-80 | TRANSISTOR 2SC3661 | |
| Q205 | 8-729-901-81 | TRANSISTOR 2SC2412K-T-146-R (GNV111D) | |
| Q206 | 8-729-802-80 | TRANSISTOR 2SC3661 | |
| Q207 | 8-729-802-80 | TRANSISTOR 2SC3661 | |
| Q208 | 8-729-802-80 | TRANSISTOR 2SC3661 | |
| Q250 | 8-729-802-80 | TRANSISTOR 2SC3661 | |
| Q252 | 8-729-802-80 | TRANSISTOR 2SC3661 | |
| Q253 | 8-729-802-80 | TRANSISTOR 2SC3661 | |
| Q254 | 8-729-802-80 | TRANSISTOR 2SC3661 | |
| Q255 | 8-729-901-81 | TRANSISTOR 2SC2412K-T-146-R (GNV111D) | |
| Q256 | 8-729-802-80 | TRANSISTOR 2SC3661 | |
| Q321 | 8-729-802-80 | TRANSISTOR 2SC3661 | |
| Q322 | 8-729-802-80 | TRANSISTOR 2SC3661 | |
| Q325 | 8-729-802-80 | TRANSISTOR 2SC3661 | |
| Q340 | 8-729-903-46 | TRANSISTOR 2SB1132-P | |
| Q341 | 8-729-903-46 | TRANSISTOR 2SB1132-P | |
| Q342 | 8-729-903-46 | TRANSISTOR 2SB1132-P | |
| Q343 | 8-729-027-43 | TRANSISTOR DTC114EKA-T146 | |
| Q344 | 8-729-027-43 | TRANSISTOR DTC114EKA-T146 | |
| Q345 | 8-729-027-43 | TRANSISTOR DTC114EKA-T146 | |
| Q370 | 8-729-141-75 | TRANSISTOR 2SD596DV345 | |
| Q372 | 8-729-802-80 | TRANSISTOR 2SC3661 | |
| Q373 | 8-729-802-80 | TRANSISTOR 2SC3661 | |
| Q375 | 8-729-802-80 | TRANSISTOR 2SC3661 | |
| Q377 | 8-729-216-22 | TRANSISTOR 2SA1162-G | |
| Q378 | 6-550-185-01 | TRANSISTOR RT1P137P-TP-1 | |
| Q379 | 8-729-027-43 | TRANSISTOR DTC114EKA-T146 | |
| Q380 | 8-729-027-43 | TRANSISTOR DTC114EKA-T146 | |
| Q381 | 8-729-027-43 | TRANSISTOR DTC114EKA-T146 | |
| Q382 | 8-729-027-23 | TRANSISTOR DTA114EKA-T146 | |
| Q383 | 8-729-027-43 | TRANSISTOR DTC114EKA-T146 | |
| Q501 | 8-729-901-00 | TRANSISTOR DTC124EK | |
| Q503 | 8-729-027-43 | TRANSISTOR DTC114EKA-T146 | |
| Q504 | 8-729-027-56 | TRANSISTOR DTC143TKA-T146 | |
| Q505 | 8-729-027-31 | TRANSISTOR DTA124EKA-T146 | |
| Q506 | 8-729-027-43 | TRANSISTOR DTC114EKA-T146 | |
| Q507 | 8-729-027-31 | TRANSISTOR DTA124EKA-T146 | |
| Q508 | 8-729-027-43 | TRANSISTOR DTC114EKA-T146 | |
| Q509 | 8-729-027-31 | TRANSISTOR DTA124EKA-T146 | |
| Q510 | 8-729-027-43 | TRANSISTOR DTC114EKA-T146 | |
| Q511 | 8-729-027-31 | TRANSISTOR DTA124EKA-T146 | |
| Q512 | 8-729-027-43 | TRANSISTOR DTC114EKA-T146 | |
| Q513 | 8-729-027-43 | TRANSISTOR DTC114EKA-T146 | |
| Q514 | 8-729-802-80 | TRANSISTOR 2SC3661 | |
| Q515 | 8-729-027-56 | TRANSISTOR DTC143TKA-T146 | |
| Q516 | 8-729-027-31 | TRANSISTOR DTA124EKA-T146 | |
| Q517 | 8-729-027-43 | TRANSISTOR DTC114EKA-T146 | |
| Q518 | 8-729-027-43 | TRANSISTOR DTC114EKA-T146 | |
| Q519 | 8-729-027-31 | TRANSISTOR DTA124EKA-T146 | |
| Q520 | 8-729-024-94 | TRANSISTOR 2SB1565F | |
| Q521 | 8-729-027-43 | TRANSISTOR DTC114EKA-T146 | |
| Q522 | 8-729-027-31 | TRANSISTOR DTA124EKA-T146 | |
| Q523 | 8-729-027-23 | TRANSISTOR DTA114EKA-T146 | |
| Q524 | 8-729-901-00 | TRANSISTOR DTC124EK | |
| Q550 | 8-729-027-56 | TRANSISTOR DTC143TKA-T146 | |
| Q564 | 8-729-802-80 | TRANSISTOR 2SC3661 | |
| Q578 | 8-729-027-43 | TRANSISTOR DTC114EKA-T146 | |
| Q579 | 8-729-027-43 | TRANSISTOR DTC114EKA-T146 | |
| Q581 | 8-729-901-81 | TRANSISTOR 2SC2412K-T-146-R | |
| Q582 | 8-729-901-81 | TRANSISTOR 2SC2412K-T-146-R | |
| Q585 | 8-729-026-68 | TRANSISTOR 2SD2525 (TP) | |

< RESISTOR >

| | | | | | |
|---|---|---|---|---|---|
| R101 | 1-216-825-11 | METAL CHIP | 2.2K | 5% | 1/10W |
| R102 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R103 | 1-216-818-11 | METAL CHIP | 560 | 5% | 1/10W |
| R104 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R105 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R106 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R107 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R108 | 1-218-867-11 | METAL CHIP | 6.8K | 0.5% | 1/10W |
| R109 | 1-216-827-11 | METAL CHIP | 3.3K | 5% | 1/10W |
| R110 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R111 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R112 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R113 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R114 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R115 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R116 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R117 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R121 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R122 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R130 | 1-216-825-11 | METAL CHIP | 2.2K | 5% | 1/10W |
| R131 | 1-216-825-11 | METAL CHIP | 2.2K | 5% | 1/10W |
| R132 | 1-216-857-11 | METAL CHIP | 1M | 5% | 1/10W |
| R133 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W |
| R135 | 1-216-825-11 | METAL CHIP | 2.2K | 5% | 1/10W |
| R150 | 1-216-825-11 | METAL CHIP | 2.2K | 5% | 1/10W |
| R151 | 1-216-825-11 | METAL CHIP | 2.2K | 5% | 1/10W |
| R152 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R153 | 1-216-818-11 | METAL CHIP | 560 | 5% | 1/10W |
| R154 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R155 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R156 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R157 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R158 | 1-218-867-11 | METAL CHIP | 6.8K | 0.5% | 1/10W |
| R159 | 1-216-827-11 | METAL CHIP | 3.3K | 5% | 1/10W |
| R160 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R161 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R162 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R163 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R164 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R165 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R166 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R167 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R200 | 1-216-825-11 | METAL CHIP | 2.2K | 5% | 1/10W |
| R202 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R203 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |

| Ref. No. | Part No. | Description | | | Remarks |
|---|---|---|---|---|---|
| R204 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R205 | 1-216-818-11 | METAL CHIP | 560 | 5% | 1/10W (GNV111D) |
| R206 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R207 | 1-216-825-11 | METAL CHIP | 2.2K | 5% | 1/10W |
| R208 | 1-216-825-11 | METAL CHIP | 2.2K | 5% | 1/10W |
| R209 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R210 | 1-216-817-11 | METAL CHIP | 470 | 5% | 1/10W |
| R211 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R212 | 1-216-832-11 | METAL CHIP | 8.2K | 5% | 1/10W |
| R213 | 1-218-867-11 | METAL CHIP | 6.8K | 0.5% | 1/10W |
| R214 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R215 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R216 | 1-216-825-11 | METAL CHIP | 2.2K | 5% | 1/10W |
| R217 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R218 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R219 | 1-216-825-11 | METAL CHIP | 2.2K | 5% | 1/10W |
| R220 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R221 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R222 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R223 | 1-216-832-11 | METAL CHIP | 8.2K | 5% | 1/10W |
| R224 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R225 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R226 | 1-216-837-11 | METAL CHIP | 22K | 5% | 1/10W |
| R227 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R228 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R229 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R230 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R231 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R232 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R233 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R234 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R235 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R236 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W (GNV111D) |
| R237 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W (GNV111D) |
| R238 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R239 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R240 | 1-216-835-11 | METAL CHIP | 15K | 5% | 1/10W |
| R241 | 1-216-839-11 | METAL CHIP | 33K | 5% | 1/10W |
| R242 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R243 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R244 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W |
| R245 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R246 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R247 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R248 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W |
| R249 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R250 | 1-216-839-11 | METAL CHIP | 33K | 5% | 1/10W |
| R251 | 1-216-825-11 | METAL CHIP | 2.2K | 5% | 1/10W |
| R252 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R253 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W |
| R254 | 1-216-827-11 | METAL CHIP | 3.3K | 5% | 1/10W |
| R255 | 1-216-818-11 | METAL CHIP | 560 | 5% | 1/10W (GNV111D) |
| R256 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R257 | 1-216-825-11 | METAL CHIP | 2.2K | 5% | 1/10W |
| R258 | 1-216-825-11 | METAL CHIP | 2.2K | 5% | 1/10W |
| R259 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R260 | 1-216-817-11 | METAL CHIP | 470 | 5% | 1/10W |
| R261 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R262 | 1-216-832-11 | METAL CHIP | 8.2K | 5% | 1/10W |
| R263 | 1-218-867-11 | METAL CHIP | 6.8K | 0.5% | 1/10W |
| R264 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R265 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R266 | 1-216-825-11 | METAL CHIP | 2.2K | 5% | 1/10W |
| R267 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R268 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R269 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R270 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R271 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R272 | 1-216-827-11 | METAL CHIP | 3.3K | 5% | 1/10W |
| R273 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R274 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R275 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R276 | 1-216-837-11 | METAL CHIP | 22K | 5% | 1/10W |
| R277 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R278 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R279 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R280 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R281 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R282 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R283 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R284 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R285 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R286 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W (GNV111D) |
| R287 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W (GNV111D) |
| R288 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R289 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R290 | 1-216-835-11 | METAL CHIP | 15K | 5% | 1/10W |
| R291 | 1-216-839-11 | METAL CHIP | 33K | 5% | 1/10W |
| R292 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R293 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R294 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W |
| R295 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R296 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R297 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R298 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R299 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R300 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R301 | 1-216-825-11 | METAL CHIP | 2.2K | 5% | 1/10W |
| R302 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R303 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R304 | 1-216-825-11 | METAL CHIP | 2.2K | 5% | 1/10W |
| R305 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R306 | 1-216-837-11 | METAL CHIP | 22K | 5% | 1/10W |
| R307 | 1-216-857-11 | METAL CHIP | 1M | 5% | 1/10W |
| R308 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R309 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R310 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R311 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R312 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R313 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R314 | 1-216-825-11 | METAL CHIP | 2.2K | 5% | 1/10W |

| Ref. No. | Part No. | Description | | | Remarks |
|---|---|---|---|---|---|
| R315 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R316 | 1-216-837-11 | METAL CHIP | 22K | 5% | 1/10W |
| R317 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R318 | 1-216-825-11 | METAL CHIP | 2.2K | 5% | 1/10W |
| R319 | 1-216-825-11 | METAL CHIP | 2.2K | 5% | 1/10W |
| R335 | 1-216-825-11 | METAL CHIP | 2.2K | 5% | 1/10W |
| R336 | 1-216-825-11 | METAL CHIP | 2.2K | 5% | 1/10W |
| R337 | 1-216-825-11 | METAL CHIP | 2.2K | 5% | 1/10W |
| R338 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R339 | 1-216-836-11 | METAL CHIP | 18K | 5% | 1/10W |
| R340 | 1-216-825-11 | METAL CHIP | 2.2K | 5% | 1/10W |
| R341 | 1-216-827-11 | METAL CHIP | 3.3K | 5% | 1/10W |
| R342 | 1-216-825-11 | METAL CHIP | 2.2K | 5% | 1/10W |
| R343 | 1-216-825-11 | METAL CHIP | 2.2K | 5% | 1/10W |
| R344 | 1-216-819-11 | METAL CHIP | 680 | 5% | 1/10W |
| R345 | 1-216-827-11 | METAL CHIP | 3.3K | 5% | 1/10W |
| R346 | 1-216-819-11 | METAL CHIP | 680 | 5% | 1/10W |
| R347 | 1-216-825-11 | METAL CHIP | 2.2K | 5% | 1/10W |
| R348 | 1-216-819-11 | METAL CHIP | 680 | 5% | 1/10W |
| R349 | 1-216-827-11 | METAL CHIP | 3.3K | 5% | 1/10W |
| R350 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R351 | 1-216-825-11 | METAL CHIP | 2.2K | 5% | 1/10W |
| R352 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R353 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R354 | 1-216-825-11 | METAL CHIP | 2.2K | 5% | 1/10W |
| R355 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R356 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R357 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R358 | 1-216-839-11 | METAL CHIP | 33K | 5% | 1/10W |
| R359 | 1-216-839-11 | METAL CHIP | 33K | 5% | 1/10W |
| R360 | 1-216-835-11 | METAL CHIP | 15K | 5% | 1/10W |
| R361 | 1-216-835-11 | METAL CHIP | 15K | 5% | 1/10W |
| R362 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R363 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R364 | 1-216-825-11 | METAL CHIP | 2.2K | 5% | 1/10W |
| R365 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R366 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R367 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R368 | 1-216-825-11 | METAL CHIP | 2.2K | 5% | 1/10W |
| R369 | 1-216-825-11 | METAL CHIP | 2.2K | 5% | 1/10W |
| R370 | 1-216-827-11 | METAL CHIP | 3.3K | 5% | 1/10W |
| R371 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R372 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R373 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R374 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R375 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R376 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R377 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R378 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R379 | 1-216-797-11 | METAL CHIP | 10 | 5% | 1/10W |
| R380 | 1-218-867-11 | METAL CHIP | 6.8K | 0.5% | 1/10W |
| R381 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R382 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R383 | 1-216-815-11 | METAL CHIP | 330 | 5% | 1/10W |
| R384 | 1-216-815-11 | METAL CHIP | 330 | 5% | 1/10W |
| R385 | 1-216-825-11 | METAL CHIP | 2.2K | 5% | 1/10W |
| R386 | 1-216-803-11 | METAL CHIP | 33 | 5% | 1/10W |
| R387 | 1-216-825-11 | METAL CHIP | 2.2K | 5% | 1/10W |
| R388 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R389 | 1-216-836-11 | METAL CHIP | 18K | 5% | 1/10W |
| R390 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R391 | 1-216-825-11 | METAL CHIP | 2.2K | 5% | 1/10W |
| R392 | 1-218-867-11 | METAL CHIP | 6.8K | 0.5% | 1/10W |
| R394 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R395 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R396 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R399 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R400 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R401 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R402 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R403 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R404 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R405 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R406 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R407 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R408 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R409 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R410 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R411 | 1-216-851-11 | METAL CHIP | 330K | 5% | 1/10W |
| R412 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W |
| R413 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R414 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R415 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R417 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R418 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| | | | | | (EXCEPT EA, AUS) |
| R418 | 1-469-147-21 | FERRITE, EMI (SDM) (EA, AUS) | | | |
| R419 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R420 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R421 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| | | | | | (EXCEPT EA, AUS) |
| R421 | 1-469-147-21 | FERRITE, EMI (SDM) (EA, AUS) | | | |
| R422 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| | | | | | (EXCEPT EA, AUS) |
| R422 | 1-469-147-21 | FERRITE, EMI (SDM) (EA, AUS) | | | |
| R423 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R424 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R425 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R426 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R427 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R428 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R429 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R430 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R431 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R432 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R433 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R434 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R435 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R436 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R437 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R438 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R439 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R440 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R441 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R442 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R443 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |

| Ref. No. | Part No. | Description | | | Remarks |
|---|---|---|---|---|---|
| R444 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R446 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R447 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R451 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R452 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R453 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R454 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R455 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R456 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R457 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R458 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R466 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R467 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R468 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R469 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R470 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R471 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R472 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R473 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R474 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R475 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R484 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R485 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R486 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R487 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R488 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R489 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R490 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R491 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R492 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R493 | 1-216-815-11 | METAL CHIP | 330 | 5% | 1/10W (E3, E15) |
| R493 | 1-216-819-11 | METAL CHIP | 680 | 5% | 1/10W (E12) |
| R493 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W (EA) |
| R493 | 1-216-823-11 | METAL CHIP | 1.5K | 5% | 1/10W (AUS) |
| R493 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W (E2, E13, MX) |
| R493 | 1-216-864-11 | SHORT CHIP | 0 (MY, SP, PH, TH) | | |
| R495 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R497 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W (GNV111D: EXCEPT TH) |
| R500 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R501 | 1-216-813-11 | METAL CHIP | 220 | 5% | 1/10W |
| R502 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R503 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R505 | 1-216-826-11 | METAL CHIP | 2.7K | 5% | 1/10W |
| R506 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R507 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R508 | 1-216-853-11 | METAL CHIP | 470K | 5% | 1/10W |
| R509 | 1-216-843-11 | METAL CHIP | 68K | 5% | 1/10W |
| R510 | 1-216-835-11 | METAL CHIP | 15K | 5% | 1/10W |
| R511 | 1-216-853-11 | METAL CHIP | 470K | 5% | 1/10W |
| R512 | 1-216-843-11 | METAL CHIP | 68K | 5% | 1/10W |
| R513 | 1-216-835-11 | METAL CHIP | 15K | 5% | 1/10W |
| R514 | 1-216-853-11 | METAL CHIP | 470K | 5% | 1/10W |
| R515 | 1-216-843-11 | METAL CHIP | 68K | 5% | 1/10W |
| R516 | 1-216-835-11 | METAL CHIP | 15K | 5% | 1/10W |
| R517 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R518 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R519 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R520 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R522 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R523 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R524 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R525 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R526 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R527 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R528 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R529 | 1-216-835-11 | METAL CHIP | 15K | 5% | 1/10W |
| R530 | 1-216-843-11 | METAL CHIP | 68K | 5% | 1/10W |
| R531 | 1-218-867-11 | METAL CHIP | 6.8K | 0.5% | 1/10W |
| R532 | 1-216-827-11 | METAL CHIP | 3.3K | 5% | 1/10W |
| R533 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R534 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R535 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R536 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R537 | 1-216-853-11 | METAL CHIP | 470K | 5% | 1/10W |
| R538 | 1-216-830-11 | METAL CHIP | 5.6K | 5% | 1/10W |
| R539 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R540 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R549 | 1-216-824-11 | METAL CHIP | 1.8K | 5% | 1/10W |
| R551 | 1-216-842-11 | METAL CHIP | 56K | 5% | 1/10W |
| R552 | 1-216-843-11 | METAL CHIP | 68K | 5% | 1/10W |
| R553 | 1-216-853-11 | METAL CHIP | 470K | 5% | 1/10W |
| R554 | 1-216-835-11 | METAL CHIP | 15K | 5% | 1/10W |
| R573 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R574 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R575 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R576 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R577 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R578 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R579 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R580 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R581 | 1-218-867-11 | METAL CHIP | 6.8K | 0.5% | 1/10W |
| R582 | 1-216-827-11 | METAL CHIP | 3.3K | 5% | 1/10W |
| R583 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R584 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W |
| R585 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R586 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R592 | 1-216-815-11 | METAL CHIP | 330 | 5% | 1/10W (GNV99D) |
| R592 | 1-216-864-11 | SHORT CHIP | 0 (GNV111D) | | |
| R593 | 1-216-811-11 | METAL CHIP | 150 | 5% | 1/10W (E13) |
| R593 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W (E2, MX) |
| R593 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W (EXCEPT E2, E13, MX) |
| R601 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R602 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R612 | 1-218-867-11 | METAL CHIP | 6.8K | 0.5% | 1/10W |
| R623 | 1-218-867-11 | METAL CHIP | 6.8K | 0.5% | 1/10W |
| R662 | 1-218-867-11 | METAL CHIP | 6.8K | 0.5% | 1/10W |

| Ref. No. | Part No. | Description | | | Remarks |
|---|---|---|---|---|---|
| | | < TRANSFORMER > | | | |
| T301 | 1-433-372-11 | TRANSFORMER, BIAS OSCILLATION | | | |
| | | < VIBRATOR > | | | |
| X401 | 1-760-252-12 | VIBRATOR, CRYSTAL (32.768 kHz) | | | |
| X402 | 1-795-058-21 | VIBRATOR, CERAMIC (5 MHz) | | | |
| ********** | | | | | |
| | A-1099-294-A | MIC BOARD, COMPLETE (EXCEPT EA, TH, AUS) | | | |
| | A-1114-733-A | MIC BOARD, COMPLETE (TH) | | | |
| | A-1124-017-A | MIC BOARD, COMPLETE (EA, AUS) | | | |
| | | ********** | | | |
| | | < CAPACITOR > | | | |
| C1100 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C1101 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C1102 | 1-124-257-00 | ELECT | 2.2uF | 20% | 50V |
| C1103 | 1-162-923-11 | CERAMIC CHIP | 47PF | 5% | 50V |
| C1104 | 1-115-416-11 | CERAMIC CHIP | 0.001uF | 5% | 25V |
| C1105 | 1-162-962-11 | CERAMIC CHIP | 470PF | 10% | 50V |
| C1106 | 1-124-257-00 | ELECT | 2.2uF | 20% | 50V |
| C1108 | 1-124-257-00 | ELECT | 2.2uF | 20% | 50V |
| C1109 | 1-162-923-11 | CERAMIC CHIP | 47PF | 5% | 50V |
| C1110 | 1-164-217-11 | CERAMIC CHIP | 150PF | 5% | 50V |
| C1111 | 1-162-923-11 | CERAMIC CHIP | 47PF | 5% | 50V |
| C1112 | 1-124-261-00 | ELECT | 10uF | 20% | 50V |
| C1113 | 1-124-261-00 | ELECT | 10uF | 20% | 50V |
| C1114 | 1-124-464-11 | ELECT | 0.22uF | 20% | 50V |
| C1115 | 1-126-961-11 | ELECT | 2.2uF | 20% | 50V |
| C1116 | 1-164-227-11 | CERAMIC CHIP | 0.022uF | 10% | 25V |
| C1117 | 1-126-960-11 | ELECT | 1uF | 20% | 50V |
| C1118 | 1-162-969-11 | CERAMIC CHIP | 0.0068uF | 10% | 25V |
| C1119 | 1-162-965-11 | CERAMIC CHIP | 0.0015uF | 10% | 50V |
| C1120 | 1-136-495-11 | FILM | 0.068uF | 5% | 50V |
| C1121 | 1-124-589-11 | ELECT | 47uF | 20% | 16V |
| C1122 | 1-124-589-11 | ELECT | 47uF | 20% | 16V |
| C1123 | 1-136-495-11 | FILM | 0.068uF | 5% | 50V |
| C1124 | 1-126-960-11 | ELECT | 1uF | 20% | 50V |
| C1125 | 1-162-965-11 | CERAMIC CHIP | 0.0015uF | 10% | 50V |
| C1126 | 1-162-969-11 | CERAMIC CHIP | 0.0068uF | 10% | 25V |
| C1127 | 1-136-495-11 | FILM | 0.068uF | 5% | 50V |
| C1128 | 1-126-957-11 | ELECT | 0.22uF | 20% | 50V |
| C1129 | 1-126-957-11 | ELECT | 0.22uF | 20% | 50V |
| C1130 | 1-136-155-00 | FILM | 0.015uF | 5% | 50V |
| C1131 | 1-126-176-11 | ELECT | 220uF | 20% | 10V |
| C1133 | 1-113-619-11 | CERAMIC CHIP | 0.47uF | | 10V |
| C1134 | 1-164-230-11 | CERAMIC CHIP | 220PF | 5% | 50V |
| C1135 | 1-164-230-11 | CERAMIC CHIP | 220PF | 5% | 50V |
| C1136 | 1-164-156-11 | CERAMIC CHIP | 0.1uF | | 25V |
| C1139 | 1-126-160-11 | ELECT | 1uF | 20% | 50V |
| C1142 | 1-216-864-11 | SHORT CHIP | 0 | | |
| C1144 | 1-124-261-00 | ELECT | 10uF | 20% | 50V |
| C1145 | 1-124-261-00 | ELECT | 10uF | 20% | 50V |
| | | < CONNECTOR > | | | |
| CN1100 | 1-785-328-11 | PIN, CONNECTOR (LIGHT ANGRE) 2P | | | |
| CN1102 | 1-785-329-11 | PIN, CONNECTOR (LIGHT ANGLE) 3P | | | |

| Ref. No. | Part No. | Description | | | Remarks |
|---|---|---|---|---|---|
| | | < DIODE > | | | |
| D1100 | 8-719-988-61 | DIODE 1SS355TE-17 | | | |
| D1101 | 8-719-988-61 | DIODE 1SS355TE-17 | | | |
| D1102 | 8-719-976-99 | DIODE DTZ5.1B | | | |
| D1103 | 8-719-988-61 | DIODE 1SS355TE-17 | | | |
| D1104 | 8-719-988-61 | DIODE 1SS355TE-17 | | | |
| | | < FERRITE BEAD > | | | |
| FB1100 | 1-216-864-11 | SHORT CHIP | 0 | | |
| FB1101 | 1-216-864-11 | SHORT CHIP | 0 | | |
| | | < IC > | | | |
| IC1100 | 8-759-710-97 | IC NJM4565M-D | | | |
| IC1101 | 8-759-496-41 | IC M65850FP-E1 | | | |
| | | < JACK > | | | |
| J1100 | 1-817-630-11 | JACK (LARGE TYPE) (MIC 1) | | | |
| J1101 | 1-817-630-11 | JACK (LARGE TYPE) (MIC 2) | | | |
| J1102 | 1-764-592-11 | JACK 3P (VIDEO OUT) | | | |
| J1103 | 1-794-702-11 | JACK, HEADPHONE (PHONES) | | | |
| | | < JUMPER RESISTOR > | | | |
| JR1100 | 1-216-864-11 | SHORT CHIP | 0 | | |
| JR1101 | 1-216-864-11 | SHORT CHIP | 0 | | |
| JR1102 | 1-216-864-11 | SHORT CHIP | 0 | | |
| JR1103 | 1-216-296-11 | SHORT CHIP | 0 | | |
| JR1104 | 1-216-296-11 | SHORT CHIP | 0 | | |
| JR1105 | 1-216-296-11 | SHORT CHIP | 0 | | |
| JR1106 | 1-216-864-11 | SHORT CHIP | 0 | | |
| JR1108 | 1-216-864-11 | SHORT CHIP | 0 | | |
| JR1113 | 1-216-296-11 | SHORT CHIP | 0 | | |
| JR1114 | 1-216-296-11 | SHORT CHIP | 0 | | |
| | | < RESISTOR > | | | |
| R1100 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R1101 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R1102 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R1103 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R1104 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W |
| R1105 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R1106 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R1107 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R1108 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R1109 | 1-216-847-11 | METAL CHIP | 150K | 5% | 1/10W |
| R1110 | 1-216-827-11 | METAL CHIP | 3.3K | 5% | 1/10W |
| R1111 | 1-218-867-11 | METAL CHIP | 6.8K | 0.5% | 1/10W |
| R1113 | 1-216-835-11 | METAL CHIP | 15K | 5% | 1/10W |
| R1114 | 1-216-835-11 | METAL CHIP | 15K | 5% | 1/10W |
| R1115 | 1-216-815-11 | METAL CHIP | 330 | 5% | 1/10W |
| R1116 | 1-216-815-11 | METAL CHIP | 330 | 5% | 1/10W |
| R1117 | 1-216-835-11 | METAL CHIP | 15K | 5% | 1/10W |
| R1118 | 1-216-835-11 | METAL CHIP | 15K | 5% | 1/10W |
| R1119 | 1-216-835-11 | METAL CHIP | 15K | 5% | 1/10W |
| R1120 | 1-216-846-11 | METAL CHIP | 120K | 5% | 1/10W |
| R1121 | 1-216-835-11 | METAL CHIP | 15K | 5% | 1/10W |
| R1122 | 1-216-835-11 | METAL CHIP | 15K | 5% | 1/10W |

| Ref. No. | Part No. | Description | | | Remarks |
|---|---|---|---|---|---|
| R1123 | 1-216-835-11 | METAL CHIP | 15K | 5% | 1/10W |
| R1124 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R1125 | 1-216-825-11 | METAL CHIP | 2.2K | 5% | 1/10W |
| R1126 | 1-216-825-11 | METAL CHIP | 2.2K | 5% | 1/10W |
| R1127 | 1-218-839-11 | METAL CHIP | 33K | 0.5% | 1/10W |
| R1128 | 1-218-839-11 | METAL CHIP | 33K | 0.5% | 1/10W |
| R1130 | 1-216-835-11 | METAL CHIP | 15K | 5% | 1/10W |
| R1131 | 1-216-835-11 | METAL CHIP | 15K | 5% | 1/10W |
| R1132 | 1-216-864-11 | SHORT CHIP | 0 | | |
| | | < VARIABLE RESISTOR > | | | |
| RV1100 | 1-227-452-11 | RES, VAR, CARBON | 50K (MIC LEVEL) | | |
| RV1101 | 1-227-452-11 | RES, VAR, CARBON | 50K (ECHO LEVEL) | | |
| ********** | | | | | |
| | 1-687-133-12 | MOTOR (LD) BOARD | | | |
| | | ********** | | | |
| ********** | | | | | |
| | 1-687-134-12 | MOTOR (TB) BOARD | | | |
| | | ********** | | | |
| | | < CONNECTOR > | | | |
| CN742 | 1-784-727-11 | CONNECTOR, FFC 5P | | | |
| ********** | | | | | |
| | A-1089-532-A | PA BOARD, COMPLETE (GNV99D: EXCEPT TH) | | | |
| | A-1089-591-A | PA BOARD, COMPLETE (E2, MX) | | | |
| | A-1113-624-A | PA BOARD, COMPLETE (GNV111D: TH) | | | |
| | A-1114-756-A | PA BOARD, COMPLETE (GNV111D: EXCEPT TH) | | | |
| | A-1114-765-A | PA BOARD, COMPLETE (GNV99D: TH) | | | |
| | | ********* | | | |
| | | < CAPACITOR > | | | |
| C600 | 1-126-963-11 | ELECT | 4.7uF | 20% | 50V |
| C601 | 1-162-966-11 | CERAMIC CHIP | 0.0022uF | 10% | 50V |
| C602 | 1-126-923-91 | ELECT | 220uF | 20% | 10V |
| C604 | 1-162-927-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C605 | 1-131-992-91 | CERAMIC CHIP | 0.1uF | | 35V |
| C606 | 1-131-992-91 | CERAMIC CHIP | 0.1uF | | 35V |
| C608 | 1-126-965-91 | ELECT | 22uF | 20% | 50V |
| C609 | 1-128-560-11 | ELECT | 22uF | 20% | 100V |
| C610 | 1-128-560-11 | ELECT | 22uF | 20% | 100V |
| C616 | 1-136-495-11 | FILM | 0.068uF | 5% | 50V |
| C617 | 1-136-495-11 | FILM | 0.068uF | 5% | 50V |
| C618 | 1-128-582-11 | ELECT | 10uF | 20% | 100V |
| C619 | 1-128-582-11 | ELECT | 10uF | 20% | 100V |
| C634 | 1-104-665-11 | ELECT | 100uF | 20% | 25V |
| C635 | 1-104-665-11 | ELECT | 100uF | 20% | 25V |
| C636 | 1-107-721-11 | ELECT | 4.7uF | 20% | 100V |
| C637 | 1-107-721-11 | ELECT | 4.7uF | 20% | 100V |
| C648 | 1-104-658-91 | ELECT | 100uF | 20% | 10V |
| C649 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C650 | 1-126-963-11 | ELECT | 4.7uF | 20% | 50V |
| C651 | 1-162-966-11 | CERAMIC CHIP | 0.0022uF | 10% | 50V |
| C652 | 1-126-923-91 | ELECT | 220uF | 20% | 10V |
| C654 | 1-162-927-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C655 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C656 | 1-127-815-11 | ELECT | 3300uF | 20% | 100V |

| Ref. No. | Part No. | Description | | | Remarks |
|---|---|---|---|---|---|
| C657 | 1-130-777-00 | MYLAR | 0.1uF | 5% | 100V |
| C658 | 1-112-032-11 | ELECT | 4700uF | 20% | 63V |
| C659 | 1-130-777-00 | MYLAR | 0.1uF | 5% | 100V |
| C660 | 1-131-992-91 | CERAMIC CHIP | 100000PF | | 35V |
| C666 | 1-136-495-11 | FILM | 0.068uF | 5% | 50V |
| C667 | 1-136-495-11 | FILM | 0.068uF | 5% | 50V |
| C676 | 1-127-815-11 | ELECT | 3300uF | 20% | 100V |
| C677 | 1-130-777-00 | MYLAR | 0.1uF | 5% | 100V |
| C678 | 1-112-032-11 | ELECT | 4700uF | 20% | 63V |
| C679 | 1-130-777-00 | MYLAR | 0.1uF | 5% | 100V |
| C683 | 1-131-992-91 | CERAMIC CHIP | 0.1uF | | 35V |
| C693 | 1-131-992-91 | CERAMIC CHIP | 0.1uF | | 35V |
| | | < CONNECTOR > | | | |
| CN600 | 1-764-865-41 | CONNECTOR, BOARD TO BOARD 13P | | | |
| CN601 | 1-784-031-41 | CONNECTOR, BOARD TO BOARD 8P | | | |
| * CN602 | 1-564-512-11 | PLUG, CONNECTOR 9P | | | |
| | | < DIODE > | | | |
| D609 | 8-719-988-61 | DIODE 1SS355TE-17 | | | |
| D611 | 8-719-056-93 | DIODE UDZ-TE-17-18B | | | |
| D612 | 8-719-056-93 | DIODE UDZ-TE-17-18B | | | |
| D620 | 8-719-988-61 | DIODE 1SS355TE-17 | | | |
| D624 | 8-719-988-61 | DIODE 1SS355TE-17 | | | |
| D646 | 8-719-988-61 | DIODE 1SS355TE-17 | | | |
| D654 | 8-719-988-61 | DIODE 1SS355TE-17 | | | |
| D655 | 8-719-988-61 | DIODE 1SS355TE-17 | | | |
| D660 | 8-719-988-61 | DIODE 1SS355TE-17 | | | |
| D661 | 8-719-988-61 | DIODE 1SS355TE-17 | | | |
| D670 | 8-719-988-61 | DIODE 1SS355TE-17 | | | |
| D656 | 8-719-066-42 | DIODE RBV1306 (GNV99D) | | | |
| D656 | 8-719-073-32 | DIODE D25XB60 (GNV111D) | | | |
| D658 | 8-719-066-42 | DIODE RBV1306 (GNV111D) | | | |
| D658 | 8-719-500-60 | DIODE D5SBA20 (GNV99D) | | | |
| | | < IC > | | | |
| IC600 | 6-600-169-01 | IC STK412-240 | | | |
| | | < JUMPER RESISTOR > | | | |
| JR600 | 1-216-296-11 | SHORT CHIP | 0 | | |
| JR603 | 1-216-296-11 | SHORT CHIP | 0 | | |
| | | < COIL > | | | |
| L680 | 1-420-872-52 | COIL, AIR-CORE | | | |
| L690 | 1-420-872-52 | COIL, AIR-CORE | | | |
| | | < TRANSISTOR > | | | |
| Q604 | 8-729-924-99 | TRANSISTOR 2SC3722K-E | | | |
| Q606 | 8-729-821-00 | TRANSISTOR 2SA1207 | | | |
| Q610 | 8-729-924-99 | TRANSISTOR 2SC3722K-E | | | |
| Q618 | 8-729-924-99 | TRANSISTOR 2SC3722K-E | | | |
| Q628 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | | | |
| Q629 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | | | |
| Q630 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | | | |
| Q634 | 8-729-027-31 | TRANSISTOR DTA124EKA-T146 | | | |
| Q640 | 8-729-802-80 | TRANSISTOR 2SC3661 | | | |
| Q641 | 8-729-802-80 | TRANSISTOR 2SC3661 | | | |

| Ref. No. | Part No. | Description | | | Remarks |
|---|---|---|---|---|---|
| Q644 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | | | |
| Q647 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | | | |
| Q648 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | | | |
| Q668 | 8-729-924-99 | TRANSISTOR 2SC3722K-E | | | |
| Q682 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | | | |
| | | < RESISTOR > | | | |
| R600 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R601 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R602 | 1-216-815-11 | METAL CHIP | 330 | 5% | 1/10W |
| R603 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R604 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R605 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R606 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R607 | 1-216-825-11 | METAL CHIP | 2.2K | 5% | 1/10W |
| R608 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W |
| R609 | 1-216-843-11 | METAL CHIP | 68K | 5% | 1/10W |
| R610 | 1-216-843-11 | METAL CHIP | 68K | 5% | 1/10W |
| R611 | 1-216-839-11 | METAL CHIP | 33K | 5% | 1/10W |
| ⚠R612 | 1-245-605-51 | FUSIBLE | 100 | 5% | 1/4W |
| R613 | 1-215-869-11 | METAL OXIDE | 1K | 5% | 1W |
| R614 | 1-215-869-11 | METAL OXIDE | 1K | 5% | 1W |
| ⚠R615 | 1-245-605-51 | FUSIBLE | 100 | 5% | 1/4W |
| ⚠R616 | 1-217-637-00 | FUSIBLE | 1 | 5% | 1/4W |
| R617 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W |
| ⚠R618 | 1-234-499-21 | ENCAPSULATED COMPONENT | | | |
| R619 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R620 | 1-216-836-11 | METAL CHIP | 18K | 5% | 1/10W |
| R621 | 1-216-847-11 | METAL CHIP | 150K | 5% | 1/10W |
| R622 | 1-245-711-31 | CARBON | 10 | 5% | 1/2W (EXCEPT TH) |
| R622 | 1-249-625-31 | CARBON | 10 | 5% | 1/2W (TH) |
| R623 | 1-216-843-11 | METAL CHIP | 68K | 5% | 1/10W |
| R624 | 1-216-837-11 | METAL CHIP | 22K | 5% | 1/10W |
| R625 | 1-216-825-11 | METAL CHIP | 2.2K | 5% | 1/10W (GNV99D) |
| R625 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W (GNV111D) |
| R626 | 1-216-842-11 | METAL CHIP | 56K | 5% | 1/10W |
| R627 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R628 | 1-216-837-11 | METAL CHIP | 22K | 5% | 1/10W |
| R629 | 1-216-830-11 | METAL CHIP | 5.6K | 5% | 1/10W |
| R630 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W |
| R631 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W |
| R632 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W |
| R633 | 1-216-842-11 | METAL CHIP | 56K | 5% | 1/10W |
| R634 | 1-216-825-11 | METAL CHIP | 2.2K | 5% | 1/10W |
| R635 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R636 | 1-216-456-00 | METAL OXIDE | 820 | 5% | 2W |
| R637 | 1-216-456-00 | METAL OXIDE | 820 | 5% | 2W |
| R638 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W |
| R639 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W |
| R640 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R641 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R642 | 1-216-811-11 | METAL CHIP | 150 | 5% | 1/10W |
| R643 | 1-216-811-11 | METAL CHIP | 150 | 5% | 1/10W |
| R644 | 1-216-825-11 | METAL CHIP | 2.2K | 5% | 1/10W |
| R645 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| ⚠R646 | 1-260-087-11 | CARBON | 100 | 5% | 1/2W |
| R647 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R648 | 1-216-837-11 | METAL CHIP | 22K | 5% | 1/10W |
| R649 | 1-216-837-11 | METAL CHIP | 22K | 5% | 1/10W |
| R650 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R651 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R652 | 1-216-815-11 | METAL CHIP | 330 | 5% | 1/10W |
| R653 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R654 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R655 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R656 | 1-216-849-11 | METAL CHIP | 220K | 5% | 1/10W |
| R657 | 1-216-849-11 | METAL CHIP | 220K | 5% | 1/10W |
| R658 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W |
| R660 | 1-218-867-11 | METAL CHIP | 6.8K | 0.5% | 1/10W |
| R661 | 1-218-867-11 | METAL CHIP | 6.8K | 0.5% | 1/10W |
| R662 | 1-216-811-11 | METAL CHIP | 150 | 5% | 1/10W |
| R663 | 1-216-811-11 | METAL CHIP | 150 | 5% | 1/10W |
| ⚠R668 | 1-234-499-21 | ENCAPSULATED COMPONENT | | | |
| R669 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R670 | 1-216-836-11 | METAL CHIP | 18K | 5% | 1/10W |
| R671 | 1-216-847-11 | METAL CHIP | 150K | 5% | 1/10W |
| R672 | 1-245-711-31 | CARBON | 10 | 5% | 1/2W (EXCEPT TH) |
| R672 | 1-249-625-31 | CARBON | 10 | 5% | 1/10W (TH) |
| R673 | 1-216-842-11 | METAL CHIP | 56K | 5% | 1/10W |
| R674 | 1-216-837-11 | METAL CHIP | 22K | 5% | 1/10W |
| R676 | 1-216-849-11 | METAL CHIP | 220K | 5% | 1/10W |
| R677 | 1-216-849-11 | METAL CHIP | 220K | 5% | 1/10W |
| R678 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W |
| R680 | 1-245-711-31 | CARBON | 10 | 5% | 1/2W (GNV99D: EXCEPT TH/GNV111D: E2, MX) |
| R680 | 1-249-625-31 | CARBON | 10 | 5% | 1/2W (GNV99D: TH/GNV111D: EXCEPT E2, MX) |
| R682 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R683 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R685 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R690 | 1-245-711-31 | CARBON | 10 | 5% | 1/2W (GNV99D: EXCEPT TH/GNV111D: E2, MX) |
| R690 | 1-249-625-31 | CARBON | 10 | 5% | 1/2W (GNV99D: TH/GNV111D: EXCEPT E2, MX) |
| R692 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R693 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W |
| R694 | 1-216-843-11 | METAL CHIP | 68K | 5% | 1/10W |
| R695 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W |
| R696 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W |
| R697 | 1-216-825-11 | METAL CHIP | 2.2K | 5% | 1/10W |
| R698 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W |
| | | < RELAY > | | | |
| RY646 | 1-755-500-11 | RELAY | | | |
| | | < THERMISTOR > | | | |
| TH629 | 1-807-796-11 | THERMISTOR | | | |
| TH630 | 1-807-796-11 | THERMISTOR | | | |
| | | < TERMINAL > | | | |
| TM600 | 1-780-001-21 | TERMINAL BOARD (SPEAKER) | | | (FRONT SPEAKER) |

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## PANEL

| Ref. No. | Part No. | Description | | | Remarks |
|---|---|---|---|---|---|
| | A-1103-601-A | PANEL BOARD, COMPLETE (EXCEPT TH) | | | |
| | A-1114-730-A | PANEL BOARD, COMPLETE (TH) | | | |
| | | ********** | | | |
| | | < CAPACITOR > | | | |
| C900 | 1-126-163-11 | ELECT | 4.7uF | 20% | 50V |
| C901 | 1-164-230-11 | CERAMIC CHIP | 220PF | 5% | 50V |
| C902 | 1-164-230-11 | CERAMIC CHIP | 220PF | 5% | 50V |
| C903 | 1-164-156-11 | CERAMIC CHIP | 0.1uF | | 25V |
| C904 | 1-164-156-11 | CERAMIC CHIP | 0.1uF | | 25V |
| C905 | 1-164-156-11 | CERAMIC CHIP | 0.1uF | | 25V |
| C906 | 1-162-964-11 | CERAMIC CHIP | 0.001uF | 10% | 50V |
| C907 | 1-162-964-11 | CERAMIC CHIP | 0.001uF | 10% | 50V |
| C908 | 1-164-230-11 | CERAMIC CHIP | 220PF | 5% | 50V |
| C909 | 1-164-230-11 | CERAMIC CHIP | 220PF | 5% | 50V |
| C910 | 1-164-156-11 | CERAMIC CHIP | 0.1uF | | 25V |
| C916 | 1-164-156-11 | CERAMIC CHIP | 0.1uF | | 25V |
| C917 | 1-164-156-11 | CERAMIC CHIP | 0.1uF | | 25V |
| C918 | 1-119-941-91 | ELECT | 470uF | 20% | 6.3V |
| C919 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C922 | 1-124-261-00 | ELECT | 10uF | 20% | 50V |
| C923 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C924 | 1-162-927-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C925 | 1-162-927-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C926 | 1-162-927-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C927 | 1-162-927-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C928 | 1-162-927-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C929 | 1-162-927-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C930 | 1-162-927-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C931 | 1-162-927-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C932 | 1-162-927-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C933 | 1-164-315-11 | CERAMIC CHIP | 470PF | 5% | 50V |
| C934 | 1-162-927-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C935 | 1-162-927-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C936 | 1-162-927-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C937 | 1-162-927-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C938 | 1-162-927-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C939 | 1-162-964-11 | CERAMIC CHIP | 0.001uF | 10% | 50V |
| C940 | 1-164-156-11 | CERAMIC CHIP | 0.1uF | | 25V |
| C941 | 1-124-261-00 | ELECT | 10uF | 20% | 50V |
| C942 | 1-124-261-00 | ELECT | 10uF | 20% | 50V |
| C944 | 1-124-261-00 | ELECT | 10uF | 20% | 50V |
| C945 | 1-125-837-91 | CERAMIC CHIP | 1uF | 10% | 6.3V |
| C946 | 1-164-315-11 | CERAMIC CHIP | 470PF | 5% | 50V |
| C947 | 1-125-837-91 | CERAMIC CHIP | 1uF | 10% | 6.3V |
| C948 | 1-164-315-11 | CERAMIC CHIP | 470PF | 5% | 50V |
| C949 | 1-125-837-91 | CERAMIC CHIP | 1uF | 10% | 6.3V |
| C950 | 1-162-968-11 | CERAMIC CHIP | 0.0047uF | 10% | 50V |
| C951 | 1-125-837-91 | CERAMIC CHIP | 1uF | 10% | 6.3V |
| C952 | 1-162-968-11 | CERAMIC CHIP | 0.0047uF | 10% | 50V |
| C953 | 1-125-837-91 | CERAMIC CHIP | 1uF | 10% | 6.3V |
| C954 | 1-164-227-11 | CERAMIC CHIP | 0.022uF | 10% | 25V |
| C955 | 1-125-837-91 | CERAMIC CHIP | 1uF | 10% | 6.3V |
| C956 | 1-164-227-11 | CERAMIC CHIP | 0.022uF | 10% | 25V |
| C957 | 1-125-837-91 | CERAMIC CHIP | 1uF | 10% | 6.3V |
| C958 | 1-165-176-11 | CERAMIC CHIP | 0.047uF | 10% | 16V |
| C959 | 1-165-176-11 | CERAMIC CHIP | 0.047uF | 10% | 16V |
| C961 | 1-164-156-11 | CERAMIC CHIP | 0.1uF | | 25V |
| C966 | 1-164-156-11 | CERAMIC CHIP | 0.1uF | | 25V |
| C970 | 1-119-941-91 | ELECT | 470uF | 20% | 6.3V |
| C971 | 1-119-941-91 | ELECT | 470uF | 20% | 6.3V |
| C972 | 1-162-927-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C973 | 1-162-927-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C977 | 1-162-927-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C978 | 1-162-927-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C979 | 1-162-927-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C980 | 1-162-927-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C981 | 1-162-927-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C982 | 1-162-927-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C983 | 1-162-927-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| | | < CONNECTOR > | | | |
| * CN902 | 1-569-934-11 | SOCKET, CONNECTOR 17P | | | |
| CNS901 | 1-770-401-11 | HOUSING, CONNECTOR (PC BOARD) 8P | | | |
| CNS902 | 1-819-074-11 | BOARD TO BOARD HEADER (8P) | | | |
| | | < DIODE > | | | |
| D901 | 8-719-988-61 | DIODE 1SS355TE-17 | | | |
| D902 | 6-501-228-01 | DIODE SELU5420E-STP15 (I/⏻) | | | |
| D903 | 6-500-522-21 | DIODE 10EDB40-TB3 | | | |
| D904 | 6-500-522-21 | DIODE 10EDB40-TB3 | | | |
| D905 | 8-719-056-83 | DIODE UDZ-TE-17-6.8B | | | |
| D906 | 6-501-227-01 | DIODE SELU5620S-STP15 (DVD) | | | |
| D907 | 6-501-228-01 | DIODE SELU5420E-STP15 (DVD) | | | |
| D908 | 6-501-227-01 | DIODE SELU5620S-STP15 (TUNER/BAND) | | | |
| D909 | 6-501-228-01 | DIODE SELU5420E-STP15 (TUNER/BAND) | | | |
| D910 | 6-501-227-01 | DIODE SELU5620S-STP15 (TAPE A/B) | | | |
| D911 | 6-501-227-01 | DIODE SELU5620S-STP15 (◀▶) | | | |
| D912 | 6-501-227-01 | DIODE SELU5620S-STP15 (■) | | | |
| D913 | 6-501-227-01 | DIODE SELU5620S-STP15 (PRESET/ ▶▶I+) | | | |
| D914 | 6-501-227-01 | DIODE SELU5620S-STP15 (TUNING/ ▶▶+) | | | |
| D915 | 6-501-228-01 | DIODE SELU5420E-STP15 (◀▶) | | | |
| D916 | 6-501-228-01 | DIODE SELU5420E-STP15 (TAPE A/B) | | | |
| D917 | 6-501-227-01 | DIODE SELU5620S-STP15 (TV/SAT) | | | |
| D918 | 6-501-228-01 | DIODE SELU5420E-STP15 (TV/SAT) | | | |
| D925 | 6-501-227-01 | DIODE SELU5620S-STP15 (VIDEO) | | | |
| D926 | 6-501-228-01 | DIODE SELU5420E-STP15 (VIDEO) | | | |
| D927 | 6-501-227-01 | DIODE SELU5620S-STP15 (I/⏻) | | | |
| D928 | 6-501-227-01 | DIODE SELU5620S-STP15 (❚❚) | | | |
| D929 | 6-501-227-01 | DIODE SELU5620S-STP15 (PRESET/ I◀◀-) | | | |
| D930 | 6-501-227-01 | DIODE SELU5620S-STP15 (TUNING/ ◀◀-) | | | |
| | | < FERRITE BEAD > | | | |
| FB901 | 1-216-864-11 | SHORT CHIP 0 | | | |
| | | < FLUORESCENT INDICATOR > | | | |
| FL901 | 1-519-794-21 | VACUUM FLUORESCENT DISPLAYS | | | |
| | | < IC > | | | |
| IC902 | 6-805-079-01 | IC MB90M407PF-G-145E1 | | | |
| IC903 | 6-600-210-01 | IC RPM7240-H8 (℞) | | | |
| IC904 | 6-705-678-01 | IC NJM2760V-TE2 | | | |
| | | < JUMPER RESISTOR/RESISTOR > | | | |
| JR909 | 1-216-864-11 | SHORT CHIP 0 | | | |

| Ref. No. | Part No. | Description | | | Remarks |
|---|---|---|---|---|---|
| JR910 | 1-216-864-11 | SHORT CHIP | 0 | | |
| JR911 | 1-216-864-11 | SHORT CHIP | 0 | | |
| JR912 | 1-216-296-11 | SHORT CHIP | 0 | | |
| JR913 | 1-216-864-11 | SHORT CHIP | 0 | | |
| JR914 | 1-216-864-11 | SHORT CHIP | 0 | | |
| JR915 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| JR916 | 1-216-864-11 | SHORT CHIP | 0 | | |
| JR917 | 1-216-864-11 | SHORT CHIP | 0 | | |
| JR918 | 1-216-864-11 | SHORT CHIP | 0 | | |
| JR921 | 1-216-296-11 | SHORT CHIP | 0 | | |
| JR922 | 1-216-296-11 | SHORT CHIP | 0 | | |
| | | < TRANSISTOR > | | | |
| Q900 | 8-729-027-23 | TRANSISTOR | DTA114EKA-T146 | | |
| Q901 | 8-729-027-56 | TRANSISTOR | DTC143TKA-T146 | | |
| Q902 | 8-729-027-56 | TRANSISTOR | DTC143TKA-T146 | | |
| Q903 | 8-729-027-23 | TRANSISTOR | DTA114EKA-T146 | | |
| Q904 | 8-729-106-60 | TRANSISTOR | 2SB1115A-YQ | | |
| Q905 | 8-729-106-60 | TRANSISTOR | 2SB1115A-YQ | | |
| Q906 | 8-729-027-43 | TRANSISTOR | DTC114EKA-T146 | | |
| Q907 | 8-729-027-43 | TRANSISTOR | DTC114EKA-T146 | | |
| Q908 | 8-729-027-43 | TRANSISTOR | DTC114EKA-T146 | | |
| Q909 | 8-729-027-43 | TRANSISTOR | DTC114EKA-T146 | | |
| Q910 | 8-729-027-43 | TRANSISTOR | DTC114EKA-T146 | | |
| Q914 | 8-729-027-56 | TRANSISTOR | DTC143TKA-T146 | | |
| Q915 | 8-729-027-43 | TRANSISTOR | DTC114EKA-T146 | | |
| Q916 | 8-729-027-43 | TRANSISTOR | DTC114EKA-T146 | | |
| Q917 | 8-729-027-43 | TRANSISTOR | DTC114EKA-T146 | | |
| Q918 | 8-729-027-43 | TRANSISTOR | DTC114EKA-T146 | | |
| Q919 | 8-729-027-43 | TRANSISTOR | DTC114EKA-T146 | | |
| Q920 | 8-729-027-43 | TRANSISTOR | DTC114EKA-T146 | | |
| | | < RESISTOR > | | | |
| R900 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R901 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R902 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R903 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R904 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R905 | 1-216-835-11 | METAL CHIP | 15K | 5% | 1/10W |
| R906 | 1-216-835-11 | METAL CHIP | 15K | 5% | 1/10W |
| R907 | 1-216-835-11 | METAL CHIP | 15K | 5% | 1/10W |
| R908 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R909 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R910 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R911 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R912 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R914 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R915 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R917 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W |
| R918 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W |
| R919 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W |
| R920 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R922 | 1-216-857-11 | METAL CHIP | 1M | 5% | 1/10W |
| R933 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R939 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R940 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R941 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R942 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |

| Ref. No. | Part No. | Description | | | Remarks |
|---|---|---|---|---|---|
| R943 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R944 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R945 | 1-216-839-11 | METAL CHIP | 33K | 5% | 1/10W |
| R946 | 1-216-842-11 | METAL CHIP | 56K | 5% | 1/10W |
| R947 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R948 | 1-218-867-11 | METAL CHIP | 6.8K | 0.5% | 1/10W |
| R949 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R950 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R951 | 1-216-830-11 | METAL CHIP | 5.6K | 5% | 1/10W |
| R952 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R953 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R954 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R956 | 1-216-826-11 | METAL CHIP | 2.7K | 5% | 1/10W |
| R957 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R958 | 1-216-817-11 | METAL CHIP | 470 | 5% | 1/10W |
| R959 | 1-216-819-11 | METAL CHIP | 680 | 5% | 1/10W |
| R960 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R961 | 1-216-823-11 | METAL CHIP | 1.5K | 5% | 1/10W |
| R962 | 1-216-823-11 | METAL CHIP | 1.5K | 5% | 1/10W |
| R963 | 1-216-825-11 | METAL CHIP | 2.2K | 5% | 1/10W |
| R964 | 1-216-827-11 | METAL CHIP | 3.3K | 5% | 1/10W |
| R965 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R966 | 1-218-867-11 | METAL CHIP | 6.8K | 0.5% | 1/10W |
| R967 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R968 | 1-216-835-11 | METAL CHIP | 15K | 5% | 1/10W |
| R969 | 1-216-819-11 | METAL CHIP | 680 | 5% | 1/10W |
| R970 | 1-218-867-11 | METAL CHIP | 6.8K | 0.5% | 1/10W |
| R971 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R972 | 1-216-819-11 | METAL CHIP | 680 | 5% | 1/10W |
| R973 | 1-216-819-11 | METAL CHIP | 680 | 5% | 1/10W |
| R974 | 1-216-819-11 | METAL CHIP | 680 | 5% | 1/10W |
| R975 | 1-216-817-11 | METAL CHIP | 470 | 5% | 1/10W |
| R977 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R978 | 1-216-817-11 | METAL CHIP | 470 | 5% | 1/10W |
| R980 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R981 | 1-216-819-11 | METAL CHIP | 680 | 5% | 1/10W |
| R982 | 1-216-819-11 | METAL CHIP | 680 | 5% | 1/10W |
| R983 | 1-216-819-11 | METAL CHIP | 680 | 5% | 1/10W |
| R984 | 1-216-819-11 | METAL CHIP | 680 | 5% | 1/10W |
| R985 | 1-216-819-11 | METAL CHIP | 680 | 5% | 1/10W |
| R986 | 1-216-819-11 | METAL CHIP | 680 | 5% | 1/10W |
| R987 | 1-216-819-11 | METAL CHIP | 680 | 5% | 1/10W |
| R988 | 1-216-819-11 | METAL CHIP | 680 | 5% | 1/10W |
| R989 | 1-216-819-11 | METAL CHIP | 680 | 5% | 1/10W |
| R990 | 1-216-819-11 | METAL CHIP | 680 | 5% | 1/10W |
| R991 | 1-216-819-11 | METAL CHIP | 680 | 5% | 1/10W |
| R992 | 1-216-819-11 | METAL CHIP | 680 | 5% | 1/10W |
| R993 | 1-216-819-11 | METAL CHIP | 680 | 5% | 1/10W |
| R994 | 1-216-819-11 | METAL CHIP | 680 | 5% | 1/10W |
| R995 | 1-216-819-11 | METAL CHIP | 680 | 5% | 1/10W |
| R996 | 1-216-819-11 | METAL CHIP | 680 | 5% | 1/10W |
| R997 | 1-216-819-11 | METAL CHIP | 680 | 5% | 1/10W |
| R999 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R1135 | 1-216-819-11 | METAL CHIP | 680 | 5% | 1/10W |
| R1136 | 1-216-819-11 | METAL CHIP | 680 | 5% | 1/10W |
| R1137 | 1-216-819-11 | METAL CHIP | 680 | 5% | 1/10W |
| R1141 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R1142 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |

| Ref. No. | Part No. | Description | | | Remarks |
|---|---|---|---|---|---|
| R1147 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R1148 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R1160 | 1-218-867-11 | METAL CHIP | 6.8K | 0.5% | 1/10W |
| R1161 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R1162 | 1-218-867-11 | METAL CHIP | 6.8K | 0.5% | 1/10W |
| R1163 | 1-216-823-11 | METAL CHIP | 1.5K | 5% | 1/10W |
| R1164 | 1-216-825-11 | METAL CHIP | 2.2K | 5% | 1/10W |
| R1165 | 1-216-827-11 | METAL CHIP | 3.3K | 5% | 1/10W |
| R1166 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R1167 | 1-216-814-11 | METAL CHIP | 270 | 5% | 1/10W |
| R1175 | 1-216-817-11 | METAL CHIP | 470 | 5% | 1/10W |
| R1176 | 1-216-819-11 | METAL CHIP | 680 | 5% | 1/10W |
| R1177 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R1178 | 1-216-823-11 | METAL CHIP | 1.5K | 5% | 1/10W |
| R1179 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R1180 | 1-216-814-11 | METAL CHIP | 270 | 5% | 1/10W |
| R1183 | 1-216-808-11 | METAL CHIP | 82 | 5% | 1/10W |
| R1186 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R1187 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R1188 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R1189 | 1-216-801-11 | METAL CHIP | 22 | 5% | 1/10W |
| R1194 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R1195 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R1197 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R1198 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| | | < SWITCH > | | | |
| S900 | 1-762-875-21 | SWITCH, KEYBOARD (DISPLAY) | | | |
| S901 | 1-762-875-21 | SWITCH, KEYBOARD (PROGRESSIVE) | | | |
| S902 | 1-762-875-21 | SWITCH, KEYBOARD (EQ BAND) | | | |
| S903 | 1-762-875-21 | SWITCH, KEYBOARD (DIRECTION) | | | |
| S904 | 1-762-875-21 | SWITCH, KEYBOARD (REC PAUSE/START) | | | |
| S910 | 1-762-875-21 | SWITCH, KEYBOARD (VIDEO) | | | |
| S911 | 1-762-875-21 | SWITCH, KEYBOARD (TV/SAT) | | | |
| S912 | 1-762-875-21 | SWITCH, KEYBOARD (CD SYNC) | | | |
| S913 | 1-762-875-21 | SWITCH, KEYBOARD (◀▶) | | | |
| S914 | 1-762-875-21 | SWITCH, KEYBOARD (▮▮) | | | |
| S915 | 1-762-875-21 | SWITCH, KEYBOARD (■) | | | |
| S916 | 1-479-229-11 | ROTARY ENCODER (PRESET) | | | |
| S917 | 1-771-963-11 | SWITCH, ROTARY (TUNING) | | | |
| S918 | 1-762-875-21 | SWITCH, KEYBOARD (TAPE A/B) | | | |
| S919 | 1-762-875-21 | SWITCH, KEYBOARD (TUNER/BAND) | | | |
| S920 | 1-762-875-21 | SWITCH, KEYBOARD (DVD) | | | |
| S925 | 1-762-875-21 | SWITCH, KEYBOARD (I/⏻) | | | |
| S927 | 1-762-875-21 | SWITCH, KEYBOARD (AMP MENU) | | | |
| S928 | 1-762-875-21 | SWITCH, KEYBOARD (ILLUMINATION) | | | |
| S929 | 1-762-875-21 | SWITCH, KEYBOARD (SOUND FIELD) | | | |
| S930 | 1-762-875-21 | SWITCH, KEYBOARD (GROOVE) | | | |
| S931 | 1-762-875-21 | SWITCH, KEYBOARD (SOUND FLASH) | | | |
| S932 | 1-762-875-21 | SWITCH, KEYBOARD (ENTER) | | | |
| S970 | 1-418-725-51 | ENCODER, ROTARY (12 TYPE) (MASTER VOLUME) | | | |
| | | < VIBRATOR > | | | |
| X901 | 1-781-282-51 | VIBRATOR, CERAMIC (4 MHz) | | | |

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| Ref. No. | Part No. | Description | | | Remarks |
|---|---|---|---|---|---|
| | A-1089-510-A | PRIMARY BOARD, COMPLETE (EXCEPT TH, MX, AUS) | | | |
| | A-1089-525-A | PRIMARY BOARD, COMPLETE (MX, AUS) | | | |
| | A-1114-764-A | PRIMARY BOARD, COMPLETE (TH) | | | |
| | | ********** | | | |
| | | < CAPACITOR > | | | |
| C1201 | 1-164-156-11 | CERAMIC CHIP | 0.1uF | | 25V |
| C1202 | 1-164-156-11 | CERAMIC CHIP | 0.1uF | | 25V |
| C1204 | 1-164-156-11 | CERAMIC CHIP | 0.1uF | | 25V |
| C1206 | 1-126-916-11 | ELECT | 1000uF | 20% | 6.3V |
| | | < CONNECTOR > | | | |
| CN1200 | 1-785-329-11 | PIN, CONNECTOR (LIGHT ANGLE) 3P | | | |
| CN1202 | 1-564-321-00 | PIN, CONNECTOR (3.96mm PITCH) 2P | | | |
| CN1204 | 1-564-321-00 | PIN, CONNECTOR (3.96mm PITCH) 2P (TH, MX, AUS) | | | |
| CN1204 | 1-568-106-11 | PIN, CONNECTOR (3.96mm PITCH) 4P (EXCEPT TH, MX, AUS) | | | |
| | | < DIODE > | | | |
| D1200 | 8-719-988-61 | DIODE 1SS355TE-17 | | | |
| | | < JUMPER RESISTOR > | | | |
| JR1202 | 1-216-864-11 | SHORT CHIP | 0 | | |
| | | < COIL > | | | |
| L1201 | 1-410-666-31 | INDUCTOR | 18uH | | |
| | | < TRANSISTOR > | | | |
| Q1200 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | | | |
| | | < RESISTOR > | | | |
| R1200 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R1201 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W |
| | | < RELAY > | | | |
| ⚠RY1200 | 1-755-299-11 | RELAY | | | |
| | | < SWITCH > | | | |
| ⚠S1200 | 1-771-291-31 | SWITCH, POWER (VOLTAGE SELECTOR) (EXCEPT TH, MX, AUS) | | | |

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| | | | | | |
|---|---|---|---|---|---|
| | 1-687-132-12 | SENSOR BOARD | | | |
| | | ********** | | | |
| | | < CONNECTOR > | | | |
| CN731 | 1-785-329-21 | PIN, CONNECTOR (LIGHT ANGLE) 3P | | | |
| | | < IC > | | | |
| IC731 | 6-600-022-01 | IC RPI-576 | | | |

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| Ref. No. | Part No. | Description | | | Remarks |
|---|---|---|---|---|---|
| | 1-687-669-12 | SW BOARD | | | |
| | | ********* | | | |
| S751 | 1-786-514-11 | SWITCH, LEVER (SLIDE) (OPEN) | | | |
| ********** | | | | | |
| | | TRANS BOARD | | | |
| | | ********** | | | |
| | 1-533-217-41 | HOLDER, FUSE | | | |
| | | < CAPACITOR > | | | |
| C1262 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C1263 | 1-126-968-11 | ELECT | 100uF | 20% | 50V |
| C1292 | 1-128-576-11 | ELECT | 100uF | 20% | 63V |
| | | < CONNECTOR > | | | |
| * CN1212 | 1-564-522-11 | PLUG, CONNECTOR 7P | | | |
| * CN1213 | 1-564-523-11 | PLUG, CONNECTOR 8P | | | |
| | | < DIODE > | | | |
| D1264 | 8-719-071-83 | DIODE HZU36BTRF | | | |
| D1292 | 6-500-522-21 | DIODE 10EDB40-TB3 | | | |
| | | < TRANSISTOR > | | | |
| Q1264 | 8-729-024-93 | TRANSISTOR 2SB1565E | | | |
| | | < RESISTOR > | | | |
| R1262 | 1-216-832-11 | METAL CHIP | 8.2K | 5% | 1/10W |
| R1263 | 1-216-832-11 | METAL CHIP | 8.2K | 5% | 1/10W |
| R1264 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| ⚠R1292 | 1-219-124-11 | FUSIBLE | 0.68 | 5% | 1/4W |
| ********** | | | | | |
| | A-1101-214-A | VIDEO BOARD, COMPLETE (EXCEPT EA, TH, AUS) | | | |
| | A-1119-149-A | VIDEO BOARD, COMPLETE (TH) | | | |
| | A-1124-694-A | VIDEO BOARD, COMPLETE (EA, AUS) | | | |
| | | ********** | | | |
| | | < CAPACITOR > | | | |
| C800 | 1-126-960-11 | ELECT | 1uF | 20% | 50V |
| C801 | 1-126-960-11 | ELECT | 1uF | 20% | 50V |
| C802 | 1-126-960-11 | ELECT | 1uF | 20% | 50V |
| C803 | 1-126-965-91 | ELECT | 22uF | 20% | 50V |
| C804 | 1-164-156-11 | CERAMIC CHIP | 0.1uF | | 25V |
| C805 | 1-126-960-11 | ELECT | 1uF | 20% | 50V |
| C806 | 1-126-960-11 | ELECT | 1uF | 20% | 50V |
| C807 | 1-126-960-11 | ELECT | 1uF | 20% | 50V |
| C808 | 1-104-658-91 | ELECT | 100uF | 20% | 10V |
| C809 | 1-164-156-11 | CERAMIC CHIP | 0.1uF | | 25V |
| C810 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C811 | 1-126-916-11 | ELECT | 1000uF | 20% | 6.3V |
| C812 | 1-126-916-11 | ELECT | 1000uF | 20% | 6.3V |
| C813 | 1-126-916-11 | ELECT | 1000uF | 20% | 6.3V |
| C814 | 1-126-916-11 | ELECT | 1000uF | 20% | 6.3V |
| C815 | 1-126-916-11 | ELECT | 1000uF | 20% | 6.3V |
| C816 | 1-162-919-11 | CERAMIC CHIP | 22PF | 5% | 50V |
| C817 | 1-162-919-11 | CERAMIC CHIP | 22PF | 5% | 50V |
| C818 | 1-162-919-11 | CERAMIC CHIP | 22PF | 5% | 50V |
| C819 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C820 | 1-162-919-11 | CERAMIC CHIP | 22PF | 5% | 50V |
| C821 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C822 | 1-162-919-11 | CERAMIC CHIP | 22PF | 5% | 50V |
| C823 | 1-162-919-11 | CERAMIC CHIP | 22PF | 5% | 50V |
| C824 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C825 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C826 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C827 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C829 | 1-126-916-11 | ELECT | 1000uF | 20% | 6.3V |
| C830 | 1-104-658-91 | ELECT | 100uF | 20% | 10V |
| C831 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| | | < CONNECTOR > | | | |
| CN800 | 1-564-707-11 | PIN, CONNECTOR (SMALL TYPE) 5P | | | |
| CN801 | 1-779-281-11 | CONNECTOR, FFC (LIF (NON-ZIF)) 13P | | | |
| CN802 | 1-785-328-11 | PIN, CONNECTOR (LIGHT ANGRE) 2P | | | |
| | | < FERRITE BEAD > | | | |
| FB800 | 1-216-864-11 | SHORT CHIP | 0 | | |
| FB801 | 1-216-864-11 | SHORT CHIP | 0 | | |
| FB802 | 1-216-864-11 | SHORT CHIP | 0 | | |
| FB803 | 1-216-864-11 | SHORT CHIP | 0 | | |
| FB804 | 1-216-864-11 | SHORT CHIP | 0 | | |
| FB805 | 1-216-864-11 | SHORT CHIP | 0 | | |
| FB806 | 1-216-864-11 | SHORT CHIP | 0 | | |
| | | < IC > | | | |
| IC800 | 8-759-295-90 | IC NJM2244M-TE2 | | | |
| IC801 | 6-705-602-01 | IC MM1623BFBE | | | |
| | | < JACK > | | | |
| J800 | 1-817-449-11 | JACK, PIN 3P (COMPONENT VIDEO OUT) | | | |
| J801 | 1-537-943-11 | TERMINAL, S (S VIDEO OUT) | | | |
| J802 | 1-774-227-11 | JACK, PIN 1P (VIDEO OUT) | | | |
| | | < JUMPER RESISTOR > | | | |
| JR800 | 1-216-864-11 | SHORT CHIP | 0 | | |
| JR801 | 1-216-864-11 | SHORT CHIP | 0 | | |
| JR802 | 1-216-864-11 | SHORT CHIP | 0 (EXCEPT EA, AUS) | | |
| JR802 | 1-469-147-21 | FERRITE, EMI (SMD) (EA, AUS) | | | |
| JR803 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| JR804 | 1-216-864-11 | SHORT CHIP | 0 | | |
| | | < COIL > | | | |
| L801 | 1-414-183-41 | INDUCTOR | 10uH | | |
| | | < TRANSISTOR > | | | |
| Q800 | 8-729-027-43 | TRANSISTOR DTC114EKA-T146 | | | |
| | | < RESISTOR > | | | |
| R800 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R801 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R802 | 1-218-285-11 | METAL CHIP | 75 | 5% | 1/10W |
| R803 | 1-218-285-11 | METAL CHIP | 75 | 5% | 1/10W |
| R804 | 1-218-285-11 | METAL CHIP | 75 | 5% | 1/10W |
| R805 | 1-218-285-11 | METAL CHIP | 75 | 5% | 1/10W |

| Ref. No. | Part No. | Description | | | Remarks |
|---|---|---|---|---|---|
| R806 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R807 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R808 | 1-218-285-11 | METAL CHIP | 75 | 5% | 1/10W |
| R809 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R810 | 1-218-285-11 | METAL CHIP | 75 | 5% | 1/10W |
| R812 | 1-216-857-11 | METAL CHIP | 1M | 5% | 1/10W |
| R813 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W |
| R814 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| ********** | | | | | |
| | | MISCELLANEOUS | | | |
| | | ********** | | | |
| ⚠ | 1-770-019-51 | ADAPTOR, CONVERSION PLUG (EA) | | | |
| ⚠ | 1-785-504-11 | ADAPTOR, CONVERSION (MY, SP, PH) | | | |
| ⚠ | 1-785-534-11 | ADAPTOR, CONVERSION (E3, E15) | | | |
| 5 | 1-693-671-11 | TUNER (TM-10E) | | | |
| ⚠7 | 1-468-737-21 | POWER, SWITCHING | | | |
| 8 | 1-828-622-11 | WIRE (FLAT TYPE) (19 CORE) | | | |
| 9 | 1-828-332-11 | WIRE (FLAT TYPE) (13 CORE) (250mm) | | | |
| 10 | 1-828-326-11 | WIRE (FLAT TYPE) (13 CORE) (65mm) (GNV99D: EXCEPT E12, SP/GNV111D) | | | |
| 10 | 1-828-328-11 | WIRE (FLAT TYPE) (13 CORE) (100mm) (GNV99D: E12, SP) | | | |
| 13 | 1-828-252-11 | WIRE (FLAT TYPE) (24 CORE) | | | |
| 15 | 1-500-657-11 | CORE, FERRITE | | | |
| 64 | 1-828-992-11 | WIRE (FLAT TYPE) (17 CORE) | | | |
| 70 | 1-797-166-11 | DECK, MECHANICAL (CMAT2E2) | | | |
| 106 | 1-828-956-11 | WIRE (FLAT TYPE) (9 CORE) | | | |
| ⚠107 | 1-777-071-53 | CORD, POWER (E12, E13, EA, MY, SP, PH) | | | |
| ⚠107 | 1-824-818-11 | CORD, POWER (WITH CONNECTOR) (TH) | | | |
| ⚠107 | 1-827-295-22 | CORD, POWER (AUS) | | | |
| ⚠107 | 1-829-627-31 | POWER-SUPPLY CORD (E3, E15, E2, MX) | | | |
| 109 | 1-828-972-11 | WIRE (FLAT TYPE) (13 CORE) (130mm) | | | |
| 152 | 1-776-182-11 | WIRE (FLAT TYPE) (5 CORE) | | | |
| ⚠229 | 8-820-291-02 | OPTICAL PICK-UP KHM-310CAB/C2RP | | | |
| ⚠F1241 | 1-576-655-12 | FUSE, GLASS TUBE (DIA. 5) (T8AL/250V) | | | |
| ⚠F1251 | 1-576-655-12 | FUSE, GLASS TUBE (DIA. 5) (T8AL/250V) | | | |
| ⚠F1261 | 1-576-655-12 | FUSE, GLASS TUBE (DIA. 5) (T8AL/250V) | | | |
| ⚠F1271 | 1-576-655-12 | FUSE, GLASS TUBE (DIA. 5) (T8AL/250V) | | | |
| ⚠F1281 | 1-533-470-12 | FUSE, GLASS TUBE (DIA. 5) (T3.15AL/250V) | | | |
| ⚠F1291 | 1-533-470-12 | FUSE, GLASS TUBE (DIA. 5) (T3.15AL/250V) | | | |
| M741 | A-1108-965-A | MOTOR ASSY, TABLE | | | |
| M751 | A-4737-553-A | MOTOR ASSY, LOADING | | | |
| M891 | 1-763-372-11 | FAN, DC | | | |
| RE701 | 1-477-680-12 | ENCODER, ROTARY | | | |
| ⚠T1200 | 1-443-585-11 | POWER TRANSFORMER (GNV111D: EXCEPT EA, MX) | | | |
| ⚠T1200 | 1-443-586-11 | POWER TRANSFORMER (GNV99D: EXCEPT EA) | | | |
| ⚠T1200 | 1-443-753-11 | POWER TRANSFORMER (MX) | | | |
| ⚠T1200 | 1-443-754-11 | POWER TRANSFORMER (GNV111D: EA) | | | |
| ⚠T1200 | 1-443-755-11 | POWER TRANSFORMER (GNV99D: EA) | | | |

*MEMO*

# REVISION HISTORY

Clicking the version allows you to jump to the revised page.
Also, clicking the version at the upper right on the revised page allows you to jump to the next revised page.

| Ver. | Date | Description of Revision |
|---|---|---|
| 1.0 | 2005.04 | New |
| 1.1 | 2005.05 | E12, SP and TH models addition for HCD-GNV99D<br>E12, E13, TH and MX models addition for HCD-GNV111D |
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